

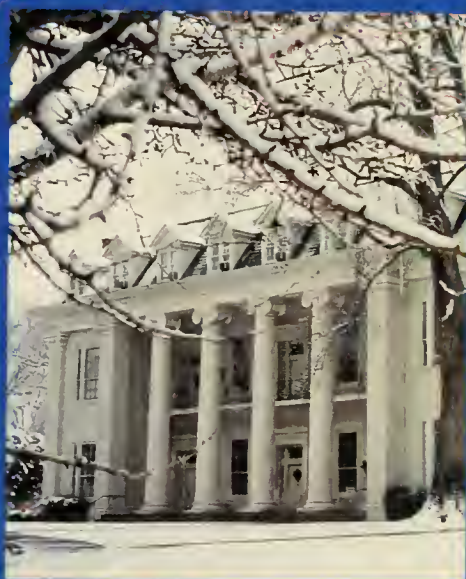
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ATHENS STATE
UNIVERSITY

CATALOG

1999-2000



Athens State University

Founded in 1822

State Affiliated

Catalog & Announcements for 1999-2000

Vol. XXIV, No. 1

ACCREDITATION

Athens State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone Number 404 679-4501) to award the baccalaureate degree.

The School of Education at Athens State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue, N.W., Suite 500, Washington, D.C. 20036, Phone (202) 466-7496.

Athens State University, through its School of Business, is nationally accredited by the Association of Collegiate Business Schools and Programs to offer the following business degree: The Bachelor of Business Administration (B.B.A.) with majors in Accounting, Human Resource Management, Management, and Management of Technology.

Athens State University is approved by the Alabama State Department of Education for the training of elementary, secondary, and postsecondary school teachers. The Alabama State Department of Education is a member of the National Association of State Directors of Teacher Education Certification.

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The catalog is the official announcement of the programs, requirements, and regulations of Athens State University. Students enrolling in the University are subject to the provisions stated herein. Statements regarding courses, fees, and conditions are subject to change without advance notice.

ALABAMA ARTICULATION PROGRAM (STARS)

The Alabama Articulation Program (also called STARS--Statewide Articulation Reporting System) is an Internet based articulation and transfer planning system designed to inform students who attend public two-year and four-year institutions about approved transfer courses and programs. STARS is an efficient and effective way of providing students, counselors, advisors, and administrators with accurate information upon which transfer decisions can be made. STARS is the information link between the public institutions of higher education in the State of Alabama. The STARS Internet System, if used properly, can prevent the loss of course credit hours, can provide direction for scheduling of course work, and can ease the transition from one institution to another. Students who are interested in this program should first see their advisor. Transfer guides can be obtained directly through the STARS Home Page at <http://stars.troy.edu>. For further information contact the respective School (School of Arts and Sciences, School of Business, or School of Education).

NON-DISCRIMINATION

It is the official policy of Athens State University not to discriminate on the basis of race, color, sex, religion, national origin, disability, or age in its educational programs, activities, admissions, or employment as required by Title VI and VII of the Civil Rights Act of 1964 (Sexual Discrimination/Sexual Harassment); Title IX of Education Amendments of 1972; Sections 503 and 504 of the Rehabilitation Act of 1973, and the 1990 Americans with Disabilities Act.

Any person, who believes himself or herself or any specific class of individuals, to be subjected to discrimination prohibited by Title VI, Title VII, or Title IX of the Act or Regulations issued thereunder may, himself or herself or a representative, file a written complaint with the United States Commissioner of Education or with the Dean of Student Affairs at this institution (or both).

SEXUAL HARASSMENT POLICY

Athens State University is committed to maintaining an environment free of objectionable and disrespectful conduct and communication of a sexual nature. Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature may constitute sexual harassment, especially when submission to such conduct is made either explicitly or implicitly a term or condition of the measure of a student's performance. Whenever there is such an abuse of authority or neglect of responsibility, the administration will take prompt and corrective action consistent with appropriate discipline provisions of state regulations and law.

SEXUAL HARASSMENT GRIEVANCE PROCEDURE

Should a student feel he/she has been sexually harassed, he/she should contact either the immediate supervisor of the alleged perpetrator or the appropriate university official.

Athens State University has in place an appropriate grievance procedure for sexual harassment and other grievances should a student feel it necessary to file. Grievance of a general nature may be filed with the Associate Dean of Student Affairs in the Sandridge Student Center (1-800-522-0272 or 256-8171) or the grievance may be pursued through the appropriate supervisor. A copy of step-by-step procedures for filing a grievance may be obtained in the President's Office.

DISABILITY STATEMENT

Athens State University does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities. An ADA/504 Coordinator has been designated to insure compliance with the non-discrimination requirements contained in Section 35.107 of the Department of Justice regulations. Information concerning the provisions of the Americans with Disabilities Act, and the rights provided thereunder, are available from the ADA/504 Coordinator.

Athens State University will make every reasonable attempt to provide accommodations needed by individuals with disabilities. Accommodations will consist of working with the Division of Rehabilitation Services and the Alabama Department of Education to provide adaptive equipment, facility modification, and any other reasonable measures available to provide a satisfactory learning and working environment.

It is the responsibility of the individual to notify Athens State University of a disability which may require accommodation. If you have a disability that might necessitate adaptive materials, services, or assistance, please make this known so that the appropriate arrangements can be made. During the day, individuals may contact the ADA/504 Coordinator, second floor of the Student Center (233-8285); during the evening, individuals may contact the Evening Coordinator, first floor of the Student Center (233-6540), and on weekends contact the library.

EDUCATION RIGHTS AND PRIVACY ACT OF 1974

In accordance with the Family Educational Rights and Privacy Act (Sec. 513 of PL 93-380, education amendments of 1974, which amends the General Education Provisions Act, Sec. 438) students of Athens State University are hereby informed of their right of access to their official records as described in the act. In accordance with Public Law 93-380, the Family Educational Rights and Privacy Act of 1974, each student and former student of Athens State University has the right to inspect his or her official educational records in the Records Office. This right of inspection does not apply to any confidential information submitted to this office prior to January 1, 1975, nor to access by students or former students to financial records of their parents. Under this act, the University may not release information concerning a student without the student's written permission.

The following is a list of directory information which may be made available regarding students of the University without their prior consent and is considered part of the public record of their attendance: (1) name, (2) permanent and local addresses, (3) telephone listing, (4) date and place of birth, (5) major fields of study, (6) dates of attendance, (7) degrees and awards received, (8) high school and other colleges and universities attended, and (9) participation in officially recognized organizations, activities, and sports. The student is entitled to request in writing, that any or all of this information not be made publicly available prior to the end of the registration period for any given term.

Any referral in this catalog to credit from educational institutions, implies that said institution is located within the confines of the United States, its territories or its military bases.

Athens State University adheres to the Drug-Free Workplace Policy. Copies of the policy are distributed to all faculty, staff and students.

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THE ALABAMA COLLEGE SYSTEM

MISSION STATEMENT

The Alabama College System, consisting of public two-year community, junior, and technical colleges and an upper division university, seeks to provide accessible quality educational opportunities, promote economic growth, and enhance the quality of life for the people of Alabama.

ATHENS STATE UNIVERSITY MISSION

MISSION STATEMENT

Athens State University is a baccalaureate degree granting institution offering coursework at the junior and senior level. The University prepares students for professional careers, graduate school, lifelong learning, and enrichment. The University, through individual attention, quality teaching, and a varied course delivery system assists students in the timely achievement of their professional and career goals. In addition, Athens State University offers programs of continuing education and community services that provide a variety of cultural and professional opportunities to the people in the region. Governed under the authority of the Alabama State Board of Education, Athens State University provides affordable education in an environment which recognizes diversity and nurtures the discovery and application of knowledge.

The programs, curricula, and fees as set forth in this catalog are subject to change at any time at the discretion of Athens State University or the Alabama State Board of Education. Because of the possibility of change or undetected error, important points of fact and interpretation should be confirmed by the appropriate University official.

GENERAL INFORMATION

MISSION

Athens State University is a baccalaureate degree granting institution offering coursework at the junior and senior level. Located in northern Alabama, Athens State University acknowledges a commitment to serve transfers of accredited junior, community, and technical colleges as well as those from other institutions of higher education. The University prepares students for professional careers, graduate school, lifelong learning, and enrichment. The University, through individual attention, quality teaching, and a varied course delivery system assists students in the timely achievement of their professional and career goals. In addition, Athens State University offers programs of continuing education and community services that provide a variety of cultural and professional opportunities to the people in our region. Governed under the authority of the Alabama State Board of Education, Athens State University provides affordable education in an environment which recognizes diversity and nurtures the discovery and application of knowledge.

GOALS

1. To provide educational opportunity to postsecondary students through carefully planned and implemented programs of study.
2. To serve the student effectively and efficiently by providing varied scheduling and cooperative arrangements with other institutions.
3. To recruit, retain, and promote professional development of qualified faculty and staff.
4. To provide and maintain appropriate learning resources which are supportive of student learning, quality teaching, scholarly research, diversity, and technological proficiency.
5. To develop and maintain periodic internal evaluation to ensure that all programs are operating within a manner consistent with the mission of the University.
6. To provide opportunities for students to expand their intellectual, social, and cultural horizons.
7. To provide and maintain student services which furnish necessary information, financial assistance, guidance counseling to assist progress toward personal, academic, and career goals.
8. To promote and maintain effective student recruitment and retention.
9. To promote the use of appropriate University and community resources to facilitate educational and training programs for the diversified needs of business, industry, education, and government in addition to providing cultural and intellectual enrichment.
10. To acquire and administer efficiently and effectively all fiscal resources.
11. To provide, develop, and maintain a physical plant appropriate for the support of the University programs.
12. To effectively communicate the University's vision and goals as a baccalaureate degree granting institution to internal and external constituencies.

GOVERNANCE

Athens State University is a baccalaureate degree granting institution operating under the control of the Alabama State Board of Education. The president is the chief executive officer of the University and is directly responsible to the State Board of Education through the Chancellor of Postsecondary Education.

HISTORY

Athens State University is both the oldest and the youngest institution of higher education in Alabama's state educational system. The University was founded in 1822 by local citizens who purchased five acres of land, erected a building, and began Athens Female Academy. Ownership of the school was transferred in 1842 to the Tennessee Conference of the Methodist Church. With the birth of the North Alabama Conference of the Methodist Church in 1870, the College came under the jurisdiction of that body.

On May 10, 1974, the Board of Trustees requested from the North Alabama Conference of the United Methodist Church that the College seek affiliation with the State of Alabama. The conference, at its annual meeting in June, 1974, gave the Board of Trustees this permission and authorized the transfer of the College to the State of Alabama.

In June 1975, the College was accepted by the Alabama State Board of Education subject to the appropriation of operating funds by the Alabama Legislature. Later that year, the Legislature appropriated funds for the operation of the College to serve the graduates of state junior, community, and technical Colleges/institutes.

The institution's name has changed several times in its history, following adjustments in purpose and governance. Athens Female Academy, upon transfer to the Tennessee Conference of the Methodist Church in 1842, became Athens Female Institute. Then in 1889 after having been transferred to the newly formed North Alabama conference, the College was known as Athens Female College.

In 1931, the College became coeducational and was known as Athens College. In 1975, when the institution became part of the state educational system, it was renamed Athens State College, marking the initiation of an era of increased opportunity for service. In 1998, a bill was passed by the legislature to rename the College to Athens State University. The long history of service by the University is the foundation upon which the future of the University rests.

ACCREDITATIONS

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BUILDINGS

Brown Hall

Brown Hall serves as the administrative building. It contains the offices for the President, the Dean of Academic Affairs, and the Special Assistant to the President for External Affairs.

Chasteen Hall

Chasteen Hall serves as a classroom building. It is located one block west of the main campus at the corner of Clinton and Hobbs Streets.

Carter Physical Education Center

The gymnasium, olympic-size swimming pool, weight room, basketball and softball coaches offices, campus housing and athletic public relations office, campus recreation office and classrooms are located in the Carter Physical Education Center.

Classroom Building

The Classroom Building contains classrooms, the Limestone County Video Conference Center, student lounge, and the Office of Student Financial Services.

Founders Hall

Founders Hall contains the Business Office, the Office of Alumni Affairs, the Reading and Math Clinic, the Writing Center, faculty offices, classrooms, MIS Department, offices for the School of Business and the School of Arts and Sciences.

Library

The Athens State University Library is located at the corner of Pryor Street and Elkton Street. Offices for the media specialist and the MIS Novell Network Administrator are located in the library building.

McCain Hall

McCain Hall contains offices for the School of Education and Science in Motion (chemistry and biology).

McCandless Hall

McCandless Hall contains a small theater, faculty offices for the School of Arts and Sciences, and classrooms.

Naylor Hall

Naylor Hall contains offices for the School of Arts and Sciences faculty.

Sanders Hall

Sanders Hall is a coeducational residence hall and serves as a residence hall for the athletes.

Sandridge Student Center

The Sandridge Student Center contains offices for the Dean of Student Affairs, student activities, student support services, counseling and career services, admissions and records, testing, recruitment, veterans affairs, evening services and the publications department. In addition, there is a campus post office, food service, bookstore, ballroom, recreation areas, and meeting rooms.

Waters Hall

Waters Hall contains classrooms and offices for the School of Arts and Sciences.

DIRECTORY OF SERVICE AREAS

Academic Affairs

The Office of the Dean of Academic Affairs is located on the second floor of Brown Hall. The Dean of Academic Affairs and staff are available to assist you in your academic concerns. Appointments may be made by calling 233-8214. For information concerning degree options contact: The School of Arts and Sciences, Dr. Tom Jandebour, Dean, 233-8254; the School of Business, Dr. Jim Haynes, Dean, 233-8116; or the School of Education, Dr. Jonita Haynes, Dean, 233-8187.

Admissions Counseling

Entering students may obtain advisement through an admissions counselor. The counselor can provide information to assist students in understanding registration procedures, academic requirements, degree programs, and to become familiar with the campus and its facilities. Appointments are recommended (233-8124).

Alabama Science in Motion Program

Established by the Alabama Legislature in 1994, the Alabama Science in Motion (ASIM) Program supports public secondary school biology, chemistry, and physics laboratory activities. Athens State University provides teacher training and disseminates equipment to support biology and chemistry laboratory activities at public high schools in Limestone, Lawrence, Morgan, Cullman, and Blount counties. For additional program information, contact the Athens State University ASIM Program Site Director.

Alumni Association

The Athens State University Alumni Association's mission and goal is to enhance the feeling of loyalty and commitment to the University and its alumni. It provides services and programs for its thousands of alumni throughout the world. All functions and services are coordinated and administered by the Office of Alumni Affairs located in Founders Hall. The Athens State University Alumni Bulletin and other alumni publications keep the active alumni and their families and friends informed about the University and the association. Traditional programs such as the annual homecoming weekend festivities, the fifty-year club celebration, and the alumni scholarship program, in addition to chapter meetings, insure opportunities for socialization and sharing among the Athens State University family of alumni, students, faculty, staff and friends. Information regarding alumni events may be obtained by calling 233-8275.

Bookstore

The bookstore is located on the lower level of the Sandridge Student Center and carries a full line of University textbooks, instructional and educational materials, and a variety of items incidental to student needs. The bookstore is open from 7:45 a.m. until 6:00 p.m., Monday through Thursday, and from 7:45 a.m. until 4:30 p.m. on Fridays, except for holidays. For information concerning book purchase or buy-backs, call 233-8249. The bookstore closes at 4:30 p.m. on days when there are no classes.

Business Office

The Business Office, located in Founders Hall, handles financial transactions including check cashing and the issuance of campus parking permits. Should you need information regarding financial affairs call 233-8204 and the Dean of Financial Affairs' secretary will direct you to the proper extension. The Business Office hours are 8:00 a.m. - 6:00 p.m., Monday through Thursday, and 8:00 a.m. - 4:30 p.m. on Fridays. The Business Office closes at 4:30 p.m. on days when there are no classes.

Center for Economic Education

Athens State University sponsors a Center for Economic Education for the purpose of improving the level of economic understanding in the North Alabama area. As a network member of the Alabama Council on Economic Education and as an affiliate member of the National Council on Economic Education, the Athens State University center sponsors and conducts in-service training programs for elementary and secondary teachers employed by local school systems. Dr. James F. Haynes serves as the Director of the Center.

Continuing Education and Community Services

Continuing Education and Community Services are an integral part of Athens State University and are primarily concerned with the special studies aspects of the educational process within the University and the community. The role of Continuing Education and Community Services is prescribed in Criteria 4.6 of the University Delegate Assembly of the Southern Association of Colleges and Schools. Basic programs are developed through the academic areas to meet the following needs: (1) noncredit courses, (2) seminars, (3) conferences, (4) institutes, (5) workshops, and (6) CEU courses. Athens State University does not accept continuing units (CEU's) for academic credit.

Curriculum Lab

The Curriculum Lab is a resource center providing materials and services for students enrolled in the Teacher Education Program. The Lab houses elementary and secondary texts, teacher editions, and resource materials for most subject areas taught in the nation's schools, as well as lesson planning resources. The Curriculum Lab is located in the basement of McCain Hall and is ADA accessible by entering from the east side door, Room 203. Hours are posted each semester.

Library

The Athens State University Library is located on the corner of Pryor Street and Elkton Street and has holdings in excess of 100,000 volumes and subscribes to 336 journals and magazines. Journals may be accessed through print and computerized indexes, such as ABI-INFORM, ERIC, Academic Abstracts, and Newsbank. Holdings of the library are enhanced by membership in regional and national consortia: the Alabama Library Exchange, the Library Management Network, the Southeastern Library Network, and the Network of Academic Libraries (NAAL). Special collections include rare books, University archives, local history files, and an extensive religion collection. Library orientation is provided through individual or scheduled group sessions. A variety of informational handouts are also available. The library is open 80 hours per week (seven days a week), except for holidays. The library telephone number is 233-8218.

Math Lab

The Math Lab is located in Waters Hall, Room 4. It offers videotaped lectures with facilities for viewing, computers with a variety of math-related software and personal tutorial assistance. Lab hours change each semester.

North Alabama Teacher Exchange (NATE)

The North Alabama Teacher Exchange (NATE) is located in the little beige house between Founders and McCain. NATE, one of eleven Regional Inservice Centers that were established in the 1980's by the State Department of Education, is administered by Athens State University to provide inservice programs for teachers in a five county region in north Alabama. The inservice programs coincide with the critical need areas identified by the State Department of Education. NATE also works closely with the ten school districts and 132 schools in the region to provide both district and site-based inservice programs tailored to specific staff development needs. The NATE office is open Monday through Friday 8:00 a.m. - 4:30 p.m. The telephone number for NATE is 1-800-300-6384 or (256) 233-8144.

Reading and Math Clinic

The Reading and Math Clinic, located in Founders Hall, was established in the 1983-84 school year to fulfill the clinical needs of students in the School of Education and to meet the community's needs for a tutoring and enrichment center. In 1985, the clinic was presented the Program of Excellence in Teacher Education Award by the Alabama Association of Colleges for Teacher Education. The Clinic follows the same calendar year as the University, and serves children in kindergarten through grade eight. Tutoring services are provided in the areas of reading and math for a minimal fee of \$50.00 for ten sessions. For further information contact Tina Sloan at 233-8106.

Redstone Arsenal Extension

Athens State University operates an extension site on Redstone Arsenal located in Building #3200. The office is open Monday through Friday from 8:30 a.m. until 4:30 p.m. For the convenience of Athens State University students who attend classes at Redstone, admission procedures, counseling, registration and other school business may be taken care of through the Extension Office. Classes are held in various buildings. Any Athens State University student may take courses at the Extension, however, active duty military, military dependents, retirees, dependents of retirees, and civil service employees at Redstone Arsenal have priority. Only priority students may register at the Extension. Other students must register at the main campus and may take courses on a space available basis. For further information call the office of the Assistant to the Dean for Redstone, 842-9708 or the secretary's office at 876-7561. In addition, the fax number is 256-876-8698.

Servicemembers Opportunity General Registry

Athens State University is a member of Servicemembers Opportunity Colleges, a consortium of over 1300 institutions pledged to be reasonable in working with servicemembers and veterans trying to earn degrees even while pursuing demanding, transient careers. As a SOC member we are committed to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and work experiences. SOC is sponsored by fifteen national higher education associations with the military services, the National Guard Bureau, and the Office of the Secretary of Defense serving as cooperating agencies.

Student Affairs Services

The office of the Dean of Student Affairs is located on the upper level of the Sandridge Student Center. Student Affairs Services are organized as follows:

◆ Admissions Office, lower level of Sandridge Student Center	233-8220
◆ Athletic Office, Carter Physical Education Center	233-8140
◆ Campus Recreation and Intramurals, Carter Physical Education Center	233-8277
◆ Admissions Counselor and Veterans Affairs, Sandridge Student Center	233-8124
◆ Counseling and Career Services (Career Services, Counseling, Cooperative Education, Disabilities Coordinator,) Suite 230, upper level of the Sandridge Student Center	233-8285
◆ Recruitment Office, Suite 230, upper level of the Sandridge Student Center	233-8124
◆ Minority Affairs, lower level of the Sandridge Student Center	233-8129
◆ Printing and Publications (Post Office included), lower level of the Sandridge Student Center	233-8210
◆ Records Office, lower level of the Sandridge Student Center	233-8165
◆ Student Activities Office, upper level of the Sandridge Student Center	233-8227
◆ Student Financial Services, Classroom Building	233-8122
◆ Veterans Affairs Office, upper level of the Sandridge Student Center	233-8225

Testing

Athens State University offers certain testing programs for the convenience of Athens State University students and the community. Information and registration packets pertaining to these programs are available in the Evening Services Office in the Sandridge Student Center, 233-6540.

Testing services offered by Athens State University include:

1. PRAXIS (Registration Bulletin includes National Teacher's Examination information)
2. Basic Skills Test (BST)
3. Collegiate Assessment of Academic Proficiency (CAAP)
4. College Level Examinations Program (CLEP)
5. Miller Analogies Test (MAT)
6. Defense Activity for Non-Traditional Educational Support (DANTES)
7. Correspondence testing
8. Information and registration bulletins are available for GRE, GMAT, LSAT & MCAT.

Writing Center

The Writing Center, located in Founders Hall 314, offers free assistance to the Athens State University community—students, faculty, and staff. It is staffed by a director who coordinates services through student tutors proficient in writing skills and who are computer-literate so that they may assist in one-on-one consultation as well as in the use of software tutorials. The purpose of the Center is to provide instruction and encouragement to those who need to improve writing skills as well as to offer assistance to those who wish to enhance their writing skills.

ADMISSION OF STUDENTS

ADMISSIONS COUNSELING

Entering students may obtain advisement through an admissions counselor. The counselor can provide information to assist students in understanding registration procedures, academic requirements, degree programs, and to become familiar with the campus and its facilities. Appointments are recommended (233-8124).

APPLICATION

Each student applying for admission to Athens State University must complete an Application for Admission and return the application to the Admissions Office accompanied by a required application fee of \$30.00. This nonrefundable fee is not applicable to tuition.

TRANSCRIPTS

The student must provide official transcripts from each college or university previously attended. The applicant must request that these transcripts be sent directly to Athens State University, to the Admissions Office, Sandridge Student Center, 300 North Beaty Street, Athens, Alabama 35611. A student completing a program at another institution and seeking enrollment at Athens State University without sufficient time to arrange for official transcripts prior to registration may be admitted **conditionally** for the semester. A student admitted under this provision must see that all official transcripts are received by the Admissions office **within ten weeks into the first semester**. If all official transcripts are not received by the pre-registration period, the student will not be allowed to pre-register for any future terms. If all admissions records have not been received by the university prior to issuance of first semester grades, the grades will be reported on the transcript, but the transcript will read CONTINUED ENROLLMENT DENIED PENDING RECEIPT OF ADMISSIONS RECORDS.

COLLEGIATE ASSESSMENT OF ACADEMIC PROFICIENCY (CAAP)

The CAAP examination (Reading, Math and Writing) is administered to first time enrollees during their first semester of enrollment. Students who have taken this examination at other institutions may submit scores and be exempt from testing at Athens State University. Students are required to take these examinations as part of the assessment program. (Exceptions: Education majors, special non-degree seeking students and students with four-year degrees.) This assessment provides the institution information on the entering student body as well as provides to each student a “benchmark” on current levels of understanding in these three areas. The scores may assist students in determining course selection or in seeking additional assistance in the Writing Center and Math Lab.

EARLY ADMISSIONS

A transfer student may be considered for admissions with at least forty-one semester hours provided he or she has a cumulative 2.0 grade point average on a 4.0 scale, and has met all general studies curriculum core requirements before entering Athens State University. Early admission students will be required to supply unofficial transcripts with a copy of an early transfer form. This regulation applies when the student does not plan to receive an associates degree from the junior or community college and does not need additional courses offered at the junior college level.

DUAL ENROLLMENT OF JUNIOR/COMMUNITY COLLEGE STUDENTS

Junior/Community college students with at least a 3.0 grade point average and who have completed at least 32 semester hours at the junior/community/technical college, may—with the permission of the instructional dean of the respective college—dual enroll with Athens State University. Courses taken at Athens State University may not be used to fulfill junior/community college degree requirements and all courses taken at Athens State University will be transcribed on the Athens State University transcript. For further information, contact the Offices of Admissions and Records.

TRANSFER STUDENT ADMISSIONS

The University reserves the right to accept or deny course work presented for transfer. Collegiate work will be considered for transfer credit from postsecondary institutions that are fully accredited by regional accrediting associations and that offer the baccalaureate degree or associate's degree.

Course work presented for transfer from institutions not accredited by regional accrediting associations will be reviewed by the Admissions Committee at Athens State University. Any courses accepted for transfer must be appropriate to the degree and program selected at Athens State University. For additional information, students may contact the offices of Admissions and Records. Categories for admission of transfer students are as follows:

Admission of Junior/Community/Technical College Transfer Students

A junior/community/technical college transfer student may be admitted to Athens State University provided he or she has earned (1) a degree from a two-year institution accredited by the Southern Association of Colleges and Schools or other regional accrediting agency, or (2) sixty-four semester hours of college credit with a 2.0 grade point average on a 4.0 scale or (3) at least 41 semester hours, completed all general studies curriculum core requirements and submitted early transfer forms to the Athens State University Admissions Office.

Admission of Technical College/Institute Transfer Students

A student from a regionally accredited technical college/institute may be admitted to Athens State University as a regular degree-seeking student provided he or she has completed a technical program and has received a degree, diploma or certificate. The student must submit an official transcript for review. Credit may be awarded for a maximum of thirty-nine semester hours depending on the particular technical program and the baccalaureate degree program selected. Individual related subject courses and grades cannot be directly transcribed as regulated by the State Department of Education and the Commission on Colleges of the Southern Association of Colleges and Schools. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State University degree program but will not affect the total hours residency required for that degree program. Credit earned through this method will not be used in determining the student's cumulative grade point average.

Admission of Four-Year College Transfer Students

A student who has completed a minimum of the freshman and sophomore years at a regionally accredited four-year institution may be admitted to Athens State University as a transfer student. The student may transfer any number of credits to Athens State University; however, a minimum of thirty-three of the final thirty-nine semester hours must be completed at Athens State. A student must have a 2.0 G.P.A. on a 4.0 scale.

Admission of International Students

The International Student Advisor's Office assists the international student in transferring to Athens State University. Services include interpretation of governmental regulations and institutional requirements. Students needing assistance should contact the Associate Dean of Student Affairs office, 233-8171.

To apply for admission to Athens State University, an international student must provide the following to the international student advisor at Athens State University.

1. Evidence of having completed sixty-four semester hours or the equivalent from a regionally accredited institution or the equivalent in a course by course evaluation of foreign educational credentials by World Education Services. Official copies of all transcript(s) from all colleges or the World Education Service must be sent to Athens State University.
2. Transfer clearance form or letter completed by the international student advisor (if currently studying in the United States and transferring from a United States institution) and sent to the international student advisor at Athens State University.
3. I-134 (Affidavit of Support.)
4. Official copy of the TOEFL score which must be a minimum of 500.
5. A completed Athens State University application and \$30.00 fee (money order or certified check) payable to Athens State University.
6. Deposit of one thousand five hundred dollars (\$1,500.00), (money order or certified check), payable to Athens State University.

This money may be used for emergencies only and all requests must be reviewed and approved by the Dean of Student Affairs. The deposit cannot be utilized by the student for tuition, books, room or board. If any portion of the deposit is used during a semester, it must be replenished before the student enrolls for the following semester. Such deposit shall be returned to the student upon permanent separation from the university.

7. Evidence of health insurance and a copy of the policy.

ADMISSION OF TRANSIENT STUDENTS

A student wishing to be admitted to Athens State University as a transient student must complete an application for admission and provide the Coordinator of Admissions with (1) a letter of good standing and permission each semester from the of the institution in which he or she is currently enrolled, and (2) approval from said official for specific courses to be taken at Athens State University. Upon completion of the course(s), the transient student must make a written request for an official transcript to be mailed to the institution in which he or she is enrolled. An international student must have a transfer clearance sheet from his/her current foreign student advisor. Students enrolled as transient are not classified as "regular" students. As defined by the U. S. Department of Education, transient students are not eligible to receive federal aid funding under Title IV.

ADMISSION OF SECOND DEGREE-SEEKING STUDENTS

Students who seek a second degree must meet all admission requirements, complete all catalog requirements for the major in that degree, and must complete a minimum of thirty-three semester hours in residency at Athens State University beyond the conferral date of the first degree. No student may secure two degrees within the same graduation period.

ADMISSION OF FORMER STUDENTS IN GOOD STANDING

A student who has previously attended Athens State University and is currently in good standing, including students returning after an absence of only one semester, can be readmitted automatically. The returning student may complete a reapplication form to update personal information, but no additional application fee will be charged.

If the returning student plans to seek a degree from Athens State University and has attended another college or university during his or her absence from the University, official transcripts must be mailed directly from the college or university attended to the Admissions Office, Athens State University, Student Center, 300 North Beaty Street, Athens, Alabama 35611.

ADMISSION OF STUDENTS ON PROBATIONARY STATUS FROM OTHER INSTITUTIONS

A student on probationary status from another institution who wishes to attend Athens State University must provide official transcripts from all colleges or universities previously attended. These transcripts will be reviewed to determine admissibility.

A student with less than a 2.0 GPA may petition the Admissions Committee to be admitted on Academic Probation. A student who is admitted by appeal and placed on academic probation (less than a 2.0 GPA) must secure at least a 2.0 grade point average on all courses attempted at Athens State University. The student will have twelve (12) semester hours to bring the cumulative GPA to 2.0 (average of all grades secured from transfer hours and Athens State University hours.) Failure to secure a 2.0 will result in the student being suspended for one semester. The transcript will read **SUSPENDED-ONE SEMESTER**.

A student who has been suspended indefinitely from another institution during the current academic year will not be permitted to enter Athens State University. However, the student who has been out of school for more than one year after being suspended indefinitely by another institution will be considered for admissions.

ADMISSION OF NON-DEGREE SEEKING STUDENTS

A student who has not completed the required number of credit hours to be accepted as a regular degree-seeking student and who wishes to pursue a limited objective may be admitted to Athens State University as a non-degree-seeking student. Non-degree seeking students should not circumvent attendance at the community/junior/technical college. Such a student should report directly to the Office of Admissions for permission to enter. Records are kept of the work completed and credits are transferable. The non-degree seeking student is restricted to a maximum of six semester hours per term. The non-degree seeking student is ineligible for financial aid, veteran's benefits, or federal aid funding under Title IV.

Limited Objectives:

Auditing - Any individual may elect to attend classes at Athens State University on an audit basis, provided he or she has completed an application for admission. Credit is not awarded for audited classes. Audited courses will be allowed on a space available basis. No change from audit to credit is allowed. A student who is currently attending high school or who has not earned a high school diploma or equivalent may only audit courses at Athens State University.

Personal Enrichment - A person who wishes to attend Athens State University for personal enrichment or self-improvement will be limited to six semester hours per term with credit recorded as for a regular degree-seeking student. This student will be admitted as a special non-degree seeking student and is required to furnish official transcripts from colleges or universities previously attended by the end of the first term.

Teacher Certification - A student holding a degree from another institution and taking courses at Athens State University for teacher certification purposes is required to submit one copy of all official transcripts from each institution previously attended. These transcripts are not evaluated or recorded but are used in determining teacher certification requirements. (See Teacher Education Program.)

TRANSFERABILITY AND APPLICABILITY OF COLLEGE CREDIT WITHIN THE UNIVERSITY

Transferability refers to the condition under which the University accepts credits from other postsecondary institutions for inclusion in the student's records. Such course work must be relevant to the degree the student is seeking and will be evaluated as to content and level of instruction resulting in student competencies at least equivalent to those of students enrolled at Athens State University. Applicability of credit toward a degree refers to the prerogative of the School to count specific credit toward the fulfillment of a student's degree requirements.

STANDARDS OF ACADEMIC PROGRESS

The Athens State University policy for satisfactory academic progress is designed to assist the student in meeting and maintaining a level of achievement that will assure reasonable progress toward graduation. All students should be aware that a cumulative minimum grade point average of 2.0 on a 4.0 scale is required for graduation in all Schools except the School of Education (graduates must have a 2.75—see School of Education guidelines for specifics). Students with probationary status at Athens State University cannot receive permission to take coursework from another institution. Credit earned at another institution may not be used to clear probationary status at Athens State University.

An academic review of each student's record occurs at the completion of each term. When a student is placed on a status of probation or suspension, University officials may provide intervention for the student by taking steps including but not limited to, imposing maximum course loads and/or prescribing specific courses.

Any student who was admitted on "clear" status and whose grade point average at Athens State University falls below 2.0 is immediately placed on academic probation.

Suspended—One Semester

A student whose subsequent grades in the next term do not meet the required 2.0 will be placed on One Term Academic Suspension. The transcript will read **SUSPENDED—ONE SEMESTER**.

Suspended—One Semester/Readmitted

A student who is suspended for one semester may appeal to the Admissions Committee. If, after appeal, the student is readmitted without serving the one semester suspension, the transcript will read **SUSPENDED—ONE SEMESTER/READMITTED UPON APPEAL**.

Appeal Process: If a student declares no contest of the facts leading to suspension but simply wishes to request consideration for readmission, the student may submit a request in writing for a "appeal for readmission" to the Admissions Committee within a designated, published number of days of receipt of the notice of suspension. During the meeting of the Admissions Committee, which shall not be considered a "due process" hearing but rather a petition for readmission, the student shall be given an opportunity to present a rationale and/or statement of mitigating circumstances in support of immediate readmission. The decision of the Admissions Committee, together with the materials presented by the student, shall be placed in the college's official records. Additionally, a copy of the written decision shall be provided to the student. Equity, reasonability, and consistency shall be the standards by which such decisions are measured. Students will be notified in writing of the decision with 10 instructional days after receipt of the request for appeal. All requests for appeals must be received within 5 instructional days following receipt of notice of suspension.

Suspended—One Year

The student who is readmitted upon appeal reenters the institution upon Academic Probation. A student on Academic Probation after being suspended for one semester (whether the student has served the suspension or has been readmitted upon appeal) and who does not achieve a 2.0 at Athens State University in the subsequent semester will be placed on One Year Academic Suspension. The transcript will read **SUSPENDED—ONE YEAR**.

Suspended—One Year/Readmitted Upon Appeal

The student who is suspended for one year may appeal to the Admissions Committee. If, after appeal, the student is readmitted without serving the one year suspension, the transcript will read SUSPENDED—ONE YEAR/READMITTED UPON APPEAL.

Academic Probation

A student with less than a 2.0 GPA may petition the Admissions Committee to be admitted on Academic Probation. A student who is admitted by appeal and placed on academic probation (less than a 2.0 GPA) must secure at least a 2.0 grade point average on all courses attempted at Athens State University. The student will have twelve (12) semester hours to bring the cumulative GPA to 2.0 (average of all grades secured from transfer hours and Athens State University hours). Failure to secure a 2.0 will result in the student being suspended for one semester. The transcript will read SUSPENDED-ONE SEMESTER.

FINANCIAL INFORMATION

Athens State University is committed to providing a quality educational program at the lowest possible cost. Therefore, Athens State University is especially committed to a professional and businesslike approach in the management of its financial resources.

TUITION

Tuition and fees are subject to change at any point of time, subject to approval of the Alabama State Board of Education.

Alabama Residents

The Alabama resident tuition is seventy-three dollars (\$73.00) per semester hour for 1999-2000. Payment due dates are posted in the schedule. No student will be allowed to defer payments.

Out-of-State and Foreign Students

The out-of-state residents or non-U.S. citizens who do not meet Alabama residence requirements tuition is one hundred forty-six dollars (\$146.00) per semester hour for 1999-2000.

HOUSING

Dormitory rooms are available through the Housing Office. The cost for a double occupancy room is four hundred and twenty dollars (\$420.00) per semester or summer term). A limited number of single occupancy rooms are available at a cost of four hundred and ninety dollars (\$490.00) per semester or summer term. See schedule for payment due date. A one time only fifty-dollar (\$50.00) damage deposit is required from each student, payable upon acceptance of the student as a dormitory resident. Checks are to be made payable to Athens State University.

1999-2000 SCHEDULE OF FEES

Application Fee	\$ 30.00
Art Fee	\$ 35.00
Teaching Internship	\$ 80.00
Music (piano, organ, voice) one 1/2-hour lesson	\$ 55.00
Lab Fee (as specified per course)	\$ 53.00
Off Campus Course Fee (excluding Redstone) (per course)	\$ 35.00
Late Registration Fee	\$ 25.00
Drop or Add per course change	\$ 5.00
Transcript of Grades (after first request)	\$ 3.00
Graduation Fee	\$ 50.00
Auditing Fee per hour	\$ 35.00
Key Deposit	\$ 2.00
Returned Check Fee	\$ 25.00
*Parking Decal	
I.D. Card (picture)	\$ 1.00
Dormitory Deposit	\$ 50.00
International Student Deposit	\$ 1,500.00
Graduation Reapplication Fee	\$ 13.00
Replacement Diploma	\$ 25.00
Facilities Renewal Fee	\$2.00/semester hour

*See Parking regulations for additional information.

REFUNDS

The current Refund Policy is as follows. The current semester schedule should be consulted for any changes.

The Refund Policy 803.02 stated below became effective 09-26-96. It is not an institutional policy but is mandated by the Alabama Department of Postsecondary Education for all colleges and universities under its control. Athens State University is under the control of Alabama Department of Postsecondary Education and must comply with this policy.

1.1 Refund for Complete Withdrawal

A student who officially or unofficially withdraws from all classes before the first day of the semester will be refunded the total tuition and other institutional charges.

A student who officially or unofficially withdraws completely on or after the first official day of the semester but prior to the end of the third week of class will be refunded according to the withdrawal date as follows:

Prior to the first day of the semester:

100% refund for any and all classes dropped

1st week of the semester (drop/add period)

Partial withdrawal - 100% refund, less 5% administration fee.

Complete withdrawal - 75% refund, less 5% administration fee.

2nd Week of the semester:

Partial withdrawal - NO REFUNDS DUE.

Complete withdrawal - 50% refund, less 5% administration fee.

3rd Week of the semester:

Partial withdrawal - NO REFUNDS DUE.

Complete withdrawal - 25% refund, less 5% administration fee.

After the 3rd week of the semester - NO REFUND DUE.

IMPORTANT: Refunds are calculated based upon the status of enrollment at the end of the third week of the semester. The first day of class is defined as the day the semester begins, not necessarily a student's first class meeting date. There is only one "**FIRST DAY**" per semester. All refund checks will be mailed within six weeks from the first day of the semester.

1.2 Administrative Fee

An administrative fee not to exceed 5% of tuition and other institutional charges or \$100, whichever is smaller, shall be assessed for each withdrawal within the period beginning the first day of class and ending at the end of the third week of class.

1.3 Books and Supplies

A student who withdraws and who has purchased returnable books, and/or supplies from the University and returns the items in new/unused condition by the end of the third week of the semester will be refunded the full purchase price. Books and/or supplies returned in used condition by the end of the third week of the semester will be refunded 50% of purchase price.

2.1 Refund for Partial Withdrawal

Students who do not completely withdraw from the University but drop a class during the regular drop/add period will be refunded the difference in tuition paid and the tuition rate applicable to the reduced number of hours, including fees appropriate to the classes dropped. There is no refund due to a student who partially withdraws after the official drop/add period.

3.1 Refund in Compliance With Federal Regulations

All colleges shall comply with federal regulations relative to refund of tuition and other institutional charges for first time,

first-term Title IV recipients.

4.1 Refund for Alabama National Guard and Reservists Called to Active Duty

Students who are active members of the Alabama National Guard or reservists or who are active duty military who are called to active duty in the time of national crisis shall receive a full tuition refund at the time of withdrawal, if such student is unable to complete the term due to active duty orders or assignment to another location.

Weekend, short-terms and special one week classes will receive a 100% refund if dropped prior to the first day of the start of the semester.

Any first time Title IV Federal Aid Recipient (Pell, SEOG, or loan student) withdrawing from all classes prior to the end of the sixth week of classes will be subject to the Federal Pro Rata Refund Policy.

Dormitory room costs are prorated weekly. Any part of a week shall constitute a full week. In unusual circumstances such as illness or official government orders, **students may petition the Dean of Student Affairs for special consideration.** Examples of refunds are available upon written request to the Student Financial Services Office.

RETURNED CHECKS

Returned checks cannot be redeposited by the Office of Financial Affairs. Checks for tuition will be charged a \$25.00 returned check fee. Unpaid checks will be turned over to the District Attorney's Office ten days after notification. After the second returned check, the Business Office WILL NOT accept a personal check for tuition payment. Payment must be made with cash, money order, credit card, or cashier's check.

GRADES/TRANSCRIPTS WITHHELD

A student failing to meet his or her financial obligations to the University may have his or her semester grade report, transcript and all other academic transactions withheld until such obligations are cleared through the Business Office. Such obligations include unpaid fees, overdue library books, damaged or unreturned University equipment, dormitory damage, unpaid student loans, and parking fees. A student may be withdrawn from classes and not permitted to register until financial obligations have been cleared. The Student Financial Services Office of Athens State University is located in the Classroom Building, first floor, east entrance. Phone: 1-800-522-0272, ext. 170, or 233-8170, or 233-8122. FAX: 233-8128.

FINANCIAL AID

The Student Financial Services Office of Athens State University is located in the Classroom Building, first floor, East entrance. Phone: 1-800-522-0272, ext. 170, or 233-8170, or 233-8122.

The Student Financial Services Office has two major objectives:

1. To supplement the efforts of the student and parents of the student in meeting educational costs.
2. To provide financial aid to students who would be unable to attend this institution without such assistance.

Athens State University provides this aid through various federal, state, and private sources.

HOW TO APPLY

1. The first step in applying for aid at Athens State University is to submit the Free Application for Federal Student Aid to one of the approved processors on the application form. Applications for the 1999-2000 academic year are accepted between January 1, 1999 and June 30, 2000 only. **THE STUDENT MUST REAPPLY FOR AID EACH YEAR.** This application and resulting analysis is the basis for all federally funded student aid programs and for all need-based programs at Athens State University. Each applicant will receive a Student Aid Report (SAR) from the processor. Some applicants are selected by the federal government for a process of verification. Verification requires completion of an additional worksheet and supporting documentation.

Students may apply electronically for aid at no cost by one of the following methods:

U.S. Department of Education Application WebSite Internet address: www.fafsa.ed.gov

Order an application diskette from the U.S. Department of Education 1-800-801-0576 or at an Education Opportunity Center. Contact the Financial Aid Office for a location near you. Central Office for EOC - 722-9632.

2. Each mid-year transfer student must submit to the Student Financial Services Office a Student Financial Aid Transcript (FAT) from each previous institution attended, whether the student received aid at prior institutions or not. This transcript must be requested by the student from the prior institution's Financial Aid Office. Aid will not be issued to the student until this transcript is on file in the Student Financial Services Office.

A Cost of Education will be determined for each student based on full-time tuition and fees, room and board estimates, books, supplies, transportation and miscellaneous expenses, dependent care expenses, and disability expenses related to study not covered by an assisting agency. Cost of Education budgets are available in the Student Financial Services Office.

In determining aid the University will deduct the Estimated Family Contribution as indicated on the SAR from the Cost of Education. After the need has been computed, the Pell Grant award, if any, will be calculated to determine any remaining need the student may have. Any other resources available to the Student such as VA benefits, Vocational Rehabilitation Benefits, and private Scholarship Funds will also be considered in determining remaining need. Remaining need may be met in a variety of ways. The Student Financial Services Office will determine the precise method on the basis of available funds of the school and the student. Some of the funds generally available are SEOG, Alabama Assistance Grants, University Work Study, Scholarships and Loan programs. (See specific guidelines in the Aid Programs Section.)

Pell grant payments will be paid each semester to eligible students who have a completed Financial Aid File. Aid approved by the Student Financial Services Office will automatically be applied on the student schedule during the registration process. Any funds remaining for the semester will be paid directly to the student by check. The Business Office will issue and mail checks by the end of the first week of classes each semester. Subsequent payments will be made in the second week, at mid-term and final weeks each semester.

REFUND POLICY FOR STUDENTS RECEIVING FEDERAL TITLE IV AID

The following Refund policies are required by federal regulation for students with Title IV aid withdrawing from all classes at Athens State University and should not be confused with the school's refund policy for changes in enrollment status.

As required by Federal Regulation, as of October 1, 1998 all students with Title IV Aid due refunds from a total withdrawal from school will have the refund credited to Title IV programs in the following order:

1. Outstanding Balances on Federal Direct Student Loan Program.
2. Federal Pell Grant Program
3. Federal SEOG Program
4. Any Other Title IV Programs
5. Student

ANY FIRST TIME STUDENT AT ATHENS STATE UNIVERSITY will be subject to a refund as required by final Federal Regulations as of October 1, 1998. The Student Financial Services Office can assist any students with questions regarding these refund policies.

SATISFACTORY ACADEMIC PROGRESS

Financial Aid Students will be monitored for compliance with Federal Requirements for Satisfactory Academic Progress as outlined below:

1. The student must maintain a GPA consistent with general standards listed under Admission of Students section of this catalog.
2. The student must successfully complete 67% of all coursework attempted. All W's, I's, F's and audited coursework count as unsuccessful completions. When unsuccessful completions exceed 33% of all coursework attempted, financial aid will be suspended.
3. The student must complete degree requirements within 150% of the usual time-frame for degree completion. Athens State University requires up to 128 semester hours to graduate. Therefore, financial aid will be available for no more than 192 semester hours of credit toward degree requirements. All accepted transfer work will be counted in this calculation.

Students not meeting the above requirements will have financial aid suspended until the requirements have been met by the student. Students who lose financial aid must apply for reinstatement of aid when the deficiency has been cleared by documenting to the Student Financial Services Office that all requirements have been met.

Student Appeals Process

Students may appeal financial aid suspension in writing to the Director of Student Financial Services. The appeal must clearly state the reasons the student did not achieve the requirements and the reasons why the aid should not be terminated. Students may appeal the decision of the Director of Student Financial Services, in writing, to the Financial Aid Committee. The Committee will review the appeal and the student will be notified, in writing, when a decision has been reached. The Financial Aid Committee meets near the end of each semester to review appeals. The decision of the Committee is final.

Students who lose financial aid must apply for reinstatement of aid when the deficiency has been cleared by documenting to the Student Financial Services Office that all requirements have been met.

FINANCIAL AID PROGRAMS

Federal Pell Grant Program

This program is designed to provide financial assistance to persons at the undergraduate level who need funds to attend a post high school educational institution. The actual size of a grant award will depend upon the family's financial situation, the amount of funds actually available for the program each year and the cost of education. For the Pell Grant program, an undergraduate is one who has not earned a bachelor's or first professional degree. Pell Grants provide a "foundation" of financial aid to which aid from other Federal and non-Federal sources may be added. All paperwork must be submitted to the Student Financial Services Office during the period of enrollment for payment. The final academic year deadline is the third week of the summer term.

Federal Supplemental Educational Opportunity Grant

This program has the single purpose of making a University education available to qualified applicants who demonstrate "exceptional financial need." In determining the priority order in which students will be awarded SEOG funds in any given year, Federal regulations require the school to give first consideration to those students with exceptional financial need demonstrated by the Pell Grant recipients with the lowest Expected Family Contribution in that year. This program is for students who have not earned a bachelor's degree or first professional degree.

Federal Work-Study Program

This program is designed to help students pay for part or all of their educational expenses by working part-time on campus, in coordination with their class schedules. This program is available on the basis of need as defined by the student's Pell Grant

information. All requirements and conditions for employment under the University Work-Study Program are available in the Student Financial Services Office.

Federal Direct Loan Program

Athens State University participates in:

Federal Direct Subsidized Loans—provides students the opportunity to borrow funds for education costs at low interest rates. For students with a defined need, the Federal Government subsidizes (pays) the interest during the certain specified periods.

Federal Direct Unsubsidized Loans—for students with no defined need the Federal Government provides loan funds with low interest rates, but does not subsidize the interest. Interest accrues to the student while enrolled in school.

Athens State University does not certify loans to or for students on academic probation or for students failing to meet satisfactory academic progress standards as outlined on the preceding section.

Eligibility Requirements for Federal Aid Programs

1. U. S. citizen or eligible non-citizen
2. Registered with Selective Service (if required)
3. Working toward a degree or certificate
4. Making satisfactory academic progress
5. Not owe a refund on a federal grant or be in default of a federal educational loan
6. Demonstrate financial need via the application process
7. Not receiving aid at more than one school during the same enrollment period

Student Responsibilities

It is the responsibility of the student to:

1. review and consider all information about a school's program BEFORE enrolling.
2. pay special attention to the application for student financial aid, complete it accurately, and submit it on time to the right place. Errors can delay or prevent receiving aid.
3. know all the deadlines for applying or reapplying for aid and meet them.
4. provide all documentation, corrections, and/or new information requested by either the Student Financial Services Office or the agency to which the application was submitted.
5. notify the university of any information that has changed since application was made for financial aid.
6. read, understand and keep copies of all forms requiring signature.
7. repay any student loans he/she has. When a student signs a promissory note, he/she is agreeing to repay the loan.
8. attend an entrance and exit interview at the university if you have a Federal Direct Student Loan.
9. notify the university of any change in name, address, or attendance status. If a student has a loan, the student must also notify the lender of any changes.
10. satisfactorily perform the work agreed upon, if employed for a federal work-study job.
11. understand the university's refund policy as outlined in this publication.

Student Rights

The **student has the right** to ask a university:

1. for the names of the university's accrediting and licensing organizations.
2. for a copy of the documents describing the institution's accreditation or licensing.
3. about its programs, its instructional, laboratory, and other physical facilities, and its faculty.
4. what the cost of attending is, and what its policy is on refunds to students who drop out.
5. what financial assistance is available, including information on all Federal, state, local, private and institutional financial aid programs.
6. who its financial aid personnel are, where they're located, and how to contact them for information.
7. what the procedures and deadlines are for submitting applications for each available financial aid program.
8. how it selects financial aid recipients.
9. how it determines financial need, including cost of education and resources available.
10. how much of one's need, as determined by the university, had been met.
11. how and when one receives financial aid.

12. to explain each type and amount of assistance in the financial aid package.
13. what the interest rate is on any student loan, the total amount to be repaid, when length of time for repayment and when repayment must start, and what cancellation or deferment provisions apply.
14. if offered a federal work-study job—what kind of job it is, what hours are to be worked, what the duties will be, what the rate of pay will be, and how and when wages will be paid.
15. to reconsider an aid package, if the student believes a mistake has been made, or if enrollment or financial circumstances have changed.
16. how the university determines whether a student is making satisfactory progress, and outcomes of unsatisfactory progress.
17. what special facilities and services are available to persons with disabilities.

STATE PROGRAMS

Alabama Assistance Grant Program

This program is a State/Federal Aid Program designed to provide assistance to residents of the State of Alabama. The program is need based and offers awards based on the Pell need analysis to students with demonstrated “exceptional need.”

Senior-Adult Scholarship Program

This program allows any student 60 years or older (meeting admissions requirements) to receive a tuition waiver for college credit courses on a space available basis only. Space available basis requires registration during the late registration process.

INSTITUTIONAL SCHOLARSHIP PROGRAM

Academic Scholarships—Awarded on outstanding academic achievement, 3.5 grade point average minimum required. Application must be made prior to March 1 for awards in the following academic year. Approximately 30 new awards for each academic year. In addition, program enhancement scholarships are awarded.

Student Activities Leadership Scholarships—Demonstrated leadership qualities through clubs and organizations at transfer institution, grade point average minimum of 3.0; must participate in activities of Athens State University. Application must be made prior to March 1. Applications are available in the Student Activities office.

The Dottie and J.J. Donahue SGA President’s Scholarship—Awarded to the president of SGA, \$150 per semester for Fall, and Spring semesters.

Athletic Scholarships—Scholarships may be offered in the areas of men’s basketball and women’s softball to students who demonstrate outstanding athletic ability. For further information on men’s basketball contact the men’s basketball coach. For information on women’s softball contact the women’s softball coach.

Cheerleader Scholarships—Full tuition and dormitory scholarships are awarded to all Athens State University cheerleaders and mascot. The recipient must have a grade point average of 2.5 and maintain a 2.0 average. Scholarship is renewable each semester based upon performance and adherence to rules set forth by the Coordinator of Student Activities.

The Athenian Scholarship—Full tuition for three semesters is awarded to the editor of the University newspaper. This scholarship is contingent upon the student satisfactorily fulfilling the requirements of the position and maintaining a 3.0 GPA. Partial scholarships are available for two assistant editors, contingent upon the student fulfilling the requirements of the position and maintaining a 3.0 Grade Point Average. Applicants must contact the Coordinator of Student Activities.

ALUMNI SCHOLARSHIPS

The Alumni Association provides the following scholarships:

Alumni Vanity Tag Scholarship
Mary Norman Moore McCoy Scholarship
Leovis and Carlton D. Whitt Scholarship

DEADLINE: MAY 10

For more information on these scholarships contact the Alumni Office in Founders Hall (233-8275).

ATHENS STATE UNIVERSITY FOUNDATION SCHOLARSHIP PROGRAMS

The Athens State University Foundation has numerous scholarships available. Applications are available in the Foundation Office, the Financial Aid Office or from our website (www.athens.edu) on or after January 15 of each year. Submission deadline is May 10 each year. For more information on these scholarships please contact the Foundation Office in Brown Hall (233-8215).

Darryl Allen Allfrey Memorial Scholarship
AmSouth Bank Scholarship
Athens State College Foundation Scholarship
J. E. Beasley, Jr. Memorial Scholarship
Edward Burgreen Memorial Scholarship
James and Melba Chasteen Scholarship
Dick Chittam Realty Scholarship
Jane Mitchell Coffman Scholarship
Compass Bank Scholarship
Mary Corum Endowed Scholarship
Group DEKKO Scholarship
Martin W. "Buddy" Evans Scholarship
Robert McCall Scholarship, Delta Mu Delta
Founders Memorial Scholarship
Herman Griffin Memorial Scholarship
Daniel-Hightower Memorial Scholarship
Hobbs/Horton Memorial Scholarship
Ena Johnson Kennedy Scholarship
Koonce Scholarship
John C. Maund Memorial Scholarship
John D. and Michael Maund Scholarship
T. A. McCormick Scholarship
Acton E. Middlebrooks Memorial Scholarship
Harry Miller Memorial Scholarship
George B. & Ruby Murphy Memorial Scholarship
National Management Association Scholarship
Julia Woodroof Nelson Scholarship
Mayme Pitts Boys & Girls Ranch Scholarship
Harold Smith Memorial Scholarship
Stanford Scholarship
Steelcase Scholarships
TVOTFC - T. A. Hudson Memorial Scholarship
TVOTFC - Jodie Hall Memorial Scholarship
TVOTFC - Joe Gambill Memorial Scholarship
TVOTFC - Bill Harrison Memorial Scholarship
TVOTFC - Ewell P. Smith Endowed Scholarship
Weems Scholarship

STUDENT ACTIVITIES

Athens State University students are strongly encouraged to participate in campus extracurricular activities and to utilize the services provided by the University. Additional detailed information concerning these activities and services, the rules and regulations relative to student conduct, and student rights and responsibilities is found in the Student Handbook.

STUDENT GOVERNMENT ASSOCIATION

All members of the student body belong to the Student Government Association. Officers and organizational representatives are elected annually. The University organizational structure provides for and encourages democratic student involvement in the affairs of the University.

The Student Government Association meets at regular intervals and the meetings are open to all students who wish to observe the proceedings. Every student should feel at liberty to make suggestions to the Student Government Association, to any committee, or to any officer of the University administration.

CLUBS AND ORGANIZATIONS

African-American History Association

The African-American History Association is an organization to increase awareness of African-American contributions to the development of our country by providing the Athens State University community with a social, moral, intellectual and cultural agenda of African-American history and life. The organization was chartered in 1984 and has been a pioneer in the Athens and Limestone County area in observing the National program theme and practices. Membership is open to all administrators, faculty, staff and students of Athens State University. For more information, please contact the Dean of Student Affairs Office.

American Production and Inventory Control Society (APICS)

APICS, the educational society for resource management, is an international organization offering a full range of programs and materials on the latest business management concepts and techniques. APICS is open to all students. For information, contact the School of Business.

Athenian Hosts/Hostesses

The Athenians are the official names of students who serve as hosts and hostesses for the university. The members also serve as tour guides for campus and university representatives at special community functions. For more information, contact the Student Activities Office.

The Association of Justice Studies Club

Lambda Alpha Epsilon is a student organization for justice studies majors and minors. For information contact the School of Arts and Sciences.

The Association for Supervision and Curriculum Development (ASCD)

The Athens State University ASCD Student Chapter is a campus-based organization for undergraduate students in education. The program encourages preservice and inservice educators to initiate leadership, workshop, and networking opportunities for students at formative stages in their careers. Contact the School of Education.

Boost Alcohol Consciousness Concerning the Health of University Students (BACCHUS)

Boost Alcohol Consciousness Concerning the Health of University Students (BACCHUS) is open to all students, faculty and staff. BACCHUS is a national student organization with more than 500 affiliated chapters at institutions of higher education across North America. Through education and activities designed to increase awareness of the changing alcohol issue, BACCHUS focuses on the development and promotion of positive lifestyles and decision making skills. For further information contact the Dean of Student Affairs Office.

Campus Recreation and Intramurals

This area is open to all students, faculty, and staff. This organization offers a variety of activities to meet the needs and interests of these groups. If you are interested in participating in these activities, or if you would like to learn more about what Athens State University intramurals has to offer, please contact the Dean of Student Affairs Office.

Centurions

The Centurions Club provides educational and social opportunities and is open to all students, faculty, and staff. This organization assists persons with disabilities to gain access in every way and to the extent permitted by law to all facilities and opportunities at Athens State University. Please call the Dean of Student Affairs office.

Council for Exceptional Children (CEC)

The student chapter of the Council for Exceptional Children (CEC) is a professional organization open to students majoring in special education, and is affiliated with both the Alabama and international CEC. Please contact the School of Education.

Cross Seekers

The Cross Seekers is open to anyone interested in spiritual growth through Bible study, prayer, and Christian fellowship. Contact the School of Education.

Delta Mu Delta

Delta Mu Delta is an honor society for accounting, management, human resources management, and management of technology majors. Please contact the School of Business.

The Heritage Reading Council

The Heritage Reading Council is a local affiliate of the Alabama Reading Association and the International Reading Association which promotes literacy and literacy education. The organization is open to preservice teachers, inservice teachers, librarians, administrators, parents, and lay persons interested in reading as a means of learning and as the worthy use of leisure time. The Heritage Reading Council meets five times during the academic year in the ballroom of Athens State University. The meetings feature information about current trends in reading instruction, popular and new book titles, author visits, and activities to promote literacy for preschool through high school-age students. The organization is open to all Athens State University students and encourages their membership. For additional information contact the School of Education.

Institute for Management Accountants (IMA)

Student membership in the Institute of Management Accountants has a three-fold purpose:

1. To introduce management accounting to students planning careers in business,
2. To strengthen the knowledge and commitment of those already on the way to management accounting careers, and
3. To demonstrate how IMA members work together to improve the science of management accounting. IMA membership provides opportunities for students to associate with practicing management accountants; to see how they live, work, and apply their knowledge; and to learn that professionals are seriously devoted to their field and to high ethical standards. To qualify for student membership, one must be a regularly enrolled business student carrying at least 6 semester hours of credit. The Association requires an application in writing, on a prescribed form, endorsed by a faculty member or the Registrar. For additional information contact the School of Business.

Kappa Delta Pi

Kappa Delta Pi is an international education honor society. Students are eligible for consideration when they have accumulated enough credit hours to reach senior status. Students are selected by a committee which evaluates them for outstanding academic achievement, scholarly ideals, and professional promise. Contact the School of Education.

The Mathematics and Computer Science Club (MACS)

The Mathematics and Computer Science (MACS) club is designed to enhance the undergraduate program through visiting lectures, field trips, and student recognition. Open to all students majoring or minoring in mathematics or computer science. For further information contact the School of Arts and Sciences.

North Alabama International Trade Association

The Athens State University International Business Club facilitates the study of international trade and relations and is for all business majors. If you are interested in this club you may contact the School of Business.

Society for Human Resource Management (SHRM)

The Society for Human Resource Management (SHRM) is the leading voice of the HR profession. It has over 70,000 professional and student members in more than 425 professional chapters and over 300 student chapters. The North Alabama student chapter consists of students from Athens State University, Alabama A&M University, and the University of Alabama in Huntsville. As a member of the local chapter, you will gain access to an immense information resource and have opportunities to meet HR

practitioners to develop your personal contacts and network. With the award winning SHRM publications, you can keep current on issues and trends affecting the workforce and shaping the workplace. As a student member you are eligible and strongly encouraged to attend the Huntsville and Decatur monthly professional meetings. You will meet and interact with HR practitioners representing most of the employers in the greater Huntsville area. And according to research, 60% to 70% of jobs are found through personal contacts, or networking. Contact the School of Business for additional information.

Phi Alpha Theta

Phi Alpha Theta is an international honor society in history. Membership is open to students, professors and alumni who have achieved excellence in history. The Alpha Beta Lambda chapter was established at Athens State University in 1984. For additional information about this organization please contact the School of Arts and Sciences.

Physical Education Club

The purpose of this organization is to develop leadership, scholarship and professional awareness in students majoring or minoring in Physical Education at Athens State University. Contact the School of Education.

Pi Tau Chi

A national honorary religious society. Membership is by invitation for outstanding service in religious activities. Requirements for membership are 2.0 GPA, leadership in home, church or community, and participation in activities on campus. For additional information contact the Dean of Student Affairs Office.

Pre-Law Society

The Pre-Law Society is a club open to all students who have an interest in law or law school. The purpose of the organization is to inform students of opportunities available in the field of law and to help prepare students to enter law school. For additional information please contact the School of Business.

Psi Chi

Psi Chi is a national psychology honor society. Membership is open to students, professors, and alumni who have achieved excellence in psychology. Psi Chi was established at Athens State University in 1985. Contact the School of Arts and Sciences for additional information.

Sigma Tau Delta

The English honor society is a member of the National Association of University Honor Societies and is open to English majors and minors and to published writers. The organization sponsors an annual campus-wide writing contest. The Kappa Zeta chapter was founded here in 1954. Contact the School of Arts and Sciences for additional information.

Student Alabama Education Association (SAEA).

The Athens State University Student Alabama Education Association, or the Athens State University SAEA, is an organization which offers opportunities for developing personal growth, supportive friendships, and insurance. This organization was designed for all students enrolled in the Athens State University School of Education. Contact the School of Education for additional information.

The Society of Physics Students (SPS)

The Society of Physics Students is a professional physics association explicitly designed for students. Membership is open to any student interested in physics. The Society promotes interest in physics through lectures, discussions, and field trips. For additional information contact the School of Arts and Sciences.

SOCIAL FRATERNITY

One national women's social fraternity, **Phi Mu**, has a chapter on the Athens State University campus. Contact Student Activities Office (233-8243) for additional information.

STUDENT PUBLICATIONS

The Athenian, the University newspaper, provides an opportunity for students to develop in the field of journalism and to express themselves on campus issues. There are scholarships available for the assistants and editor positions. Please feel free to submit articles to the paper for publication. Check with The Athenian office in Student Affairs for deadline dates and office hours.

The Gyve is an annual student publication which gives the student an outlet for creative writing. All stories and poems are student written.

INSTITUTIONAL PUBLICATIONS

The Athens State University Alumni Bulletin keeps the active alumni, their families and friends informed about the institution and the Alumni Association.

The Column is a presidential newsletter published three times a year.

The Network is a semi-annual newsletter from the Career Placement Office.

Etc. is a yearly newsletter published by the School of Education.

Strictly Business is a semi-annual newsletter published by the School of Business.

ATHLETICS, INTRAMURALS AND CAMPUS RECREATION

Intercollegiate Athletics

Athens State University is a member of the National Association of Intercollegiate Athletics and competes in the Southeast Region as an independent in women's fastpitch softball and men's basketball.

Intramural Program

The intramural program is designed to provide athletic competition among Athens State University students, faculty, and staff. This program includes football, bowling, volleyball, basketball, ping pong, badminton, tennis, softball and pickle ball.

Campus Recreation Program

On-campus recreational facilities are available for use by students, faculty, staff and their immediate families; also, citizens of the Athens community may purchase a membership and participate in the program. The facilities available include the gymnasium, swimming pool, and weight rooms.

COUNSELING AND CAREER SERVICES

Counseling and Career Services is located in Suite 230, upper floor of the Sandridge Student Center and includes: Counseling, Career Services, Cooperative Education, and Services for Students with Disabilities. Appointments may be made by calling 233-8285 between 8:00 a.m. and 4:30 p.m., Monday through Friday; other hours by appointment only.

Counseling

The purpose of counseling is to assist students, as unique individuals, to cope with personal, social, career and educational issues as they pursue their academic goal. Counseling is provided through one-on-one counseling interviews, using assessment instruments, when appropriate, to promote self understanding and self management. All counseling services are confidential.

Career counseling is provided to assist students with the following: deciding upon and selecting a major field of study; measuring interests, abilities and values through assessment instruments in relation to selecting a career goal; and, providing job search information and resources related to making the transition from the University to full-time professional employment. Resources available include a career library, graduate school information, and the State Occupational Information Coordinating Committee (SOICC) database.

Career Services

Career Services includes an information center which emphasizes job search skill development and promotes employment opportunities for currently enrolled students and alumni. It is the aim of the Career Services Office to assist the student in making sound career choices and at the same time provide employers with well-qualified employees. Career Services is intended to support the student's job search. Career Services provides information on employers and employment opportunities, resource materials, individual appointments, interview opportunities and seminars on job search topics and techniques. Career Services does not function as a placement agency, and cannot guarantee employment. The job search is ultimately the candidate's responsibility. Students are encouraged to use the career services available to maximize employment opportunities upon graduation.

Job Location and Development is a program referring currently enrolled students to part-time job positions available in North Alabama. Six job bulletin boards, which are updated bi-weekly, are located outside the Career Services Office (second floor of the Student Center), in Chasteen Hall, Founder's Hall, and, Waters Hall, in the library, and in the west wing of McCain Hall.

Professional Referral Services will establish a credentials file for each graduate, and refer job candidates to employers who make requests for qualified candidates. A credentials file consists of a registration form, signed authorization form and five copies of a resume. Education majors are additionally required to submit a transcript and three recommendations. Students are encouraged to register in Career Services at least nine months before graduation. A newsletter is sent to all registrants to keep them informed of career opportunities and resources.

Job Search Assistance is also available on an individual basis by appointment. Seminars on resume writing, interview skills, and job search skill development are offered.

Information on graduate school programs is available through the Career Services Office. A graduate school information day is scheduled each October. Also, local graduate schools are invited to participate in the Graduation Expo.

Students and alumni are invited to participate in the North Alabama College Placement Employment Day (NACPED) scheduled in Huntsville each February. This event began in 1985 and annually attracts over 100 employers seeking liberal arts, science, computer science, behavioral science, business and education graduates.

Cooperative Education

The Cooperative Education Program is designed to give students the opportunity to integrate their classroom study with practical work experience in their major field. Both alternating and parallel plans are available.

A combination of Cooperative Education credit hours earned in CP 301-308, CP 401-406, will not exceed eight semester hours of elective credit toward graduation (See Cooperative Education Course Descriptions.)

Cooperative Education Parallel/Alternating/Special Arranged Plans

The Parallel Plan is a series of courses in which students are engaged in a work situation directly related to their academic major and attend classes concurrently. The parallel plan requires that the student work part-time while attending University classes full time. (One semester hour of elective credit is earned for the parallel plan.)

The Alternating Plan is a series of courses in which students are engaged in full-time study for one semester, then switch to full-time employment directly related to their academic major for the following semester. (Two semester hours of elective credit are earned each work semester for the alternating plan.)

The Special Arranged Plan allows the student who does not qualify under the guidelines for Parallel/Alternating Plans to work and attend classes in the cooperative education setting and is approved on a semester-by-semester basis. (One semester hour of elective credit is earned for the special arranged plan.)

Eligibility:

All students who have chosen a major field of study and completed at least six semester hours at Athens State University are eligible provided they meet the following criteria:

1. Student must be in good standing and must have and maintain an overall GPA of 2.5.
2. Student must intend to fulfill the requirements of the Co-Op Program and be a prospective candidate for graduation at Athens State University.

Application:

Students should apply as soon as they are considered as a degree-seeking student by the University and enrolled in a minimum of six semester hours.

Procedure:

1. Complete a "Cooperative Education Application"
2. Provide a copy of the latest college transcript and a current resume.
3. Arrange for a preliminary interview with a member of the Cooperative Education staff to discuss career goals and preferred work assignments.
4. The Cooperative Education Office will nominate qualified students to employers based on employer requests and requirements.

Grading:

A grade of pass or fail will be based on the employer's evaluation of the student's acquired knowledge and skills, the student's work report evaluation, and the quality of term paper(s) submitted by the student.

Services for Students With Disabilities

Athens State University fully supports and complies with the Americans With Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. The staff and faculty endeavor to provide students an opportunity for success with as few deterrents as possible, strive to create a welcoming environment, and will work in good faith to meet the needs of all populations. Counseling Services provides individual assistance for students with disabilities: assistance with registration, counseling, auxiliary equipment, assistance locating note takers and readers, classroom accommodations, and liaison with faculty, Admissions, Financial Aid, Housing, and community resources.

Students with disabilities are encouraged to visit campus prior to enrollment to provide written documentation and to discuss any needs which they may have. Appointments may be made by calling 233-8285; TDD: 205-233-1127. The office is located in Room 230 on the second floor of the Sandridge Student Center and is open Monday-Friday, 8:00 a.m. to 4:30 p.m.

The ADA/504 Coordinator is Maureen J. Chemsak, Director of Counseling and Career Services.

VETERANS' AFFAIRS

The Veterans' Educational Assistance Program at Athens State University is based on the rules, regulations, policies and procedures of the Veterans' Administration and as such is subject to change without notice. Current information concerning pay scales and other educational benefits is available in the Office of Veterans' Affairs, second floor of the Sandridge Student Center, 233-8124.

Veterans Educational Assistance Programs:

Montgomery G.I. Bill - Active Duty Educational Assistance Program (Chapter 30 of Title 38, U. S. Code).

Vietnam Era Veterans' Educational Assistance Program (Chapter 34 of Title 38, U. S. Code).

Montgomery G.I. Bill - Selected Reserve Educational Assistance Program (Chapter 1606, formerly Chapter 106, of Title 10, U. S. Code).

Post-Vietnam Veterans (VEAP) Educational Assistance Program (Chapter 32 of Title 38, U. S. Code).

Vocational Rehabilitation - Chapter 31

This program provides educational assistance to disabled veterans who are in need of vocational rehabilitation. To be eligible a veteran must have a service-connected disability entitling him/her to these benefits. An award authorization must be received by the Office of Veterans' Affairs before benefits can be used.

Survivors' and Dependents' Educational Assistance Program (Chapter 35 of Title 38, U. S. Code).

Paperwork for state benefits (tuition, fees, books) should be processed through the Office of Student Financial Services. Paperwork for federal benefits (monthly checks) should be processed through the Office of Veterans' Affairs.

Selection of Program

In consultation with an admissions counselor or an academic advisor, each veteran student must select and plan a program in accordance with the Athens State University catalog. Assistance in determining a course of study or a change of program will be furnished by the Veterans' Affairs Office with concurrence of an academic advisor.

Course Load

A full-time course load for a student receiving veterans' benefits is twelve semester hours or more for fall and spring semesters; a three-quarter time load is nine semester hours, a one-half time load is six semester hours. Summer term for a full time student is 7 semester hours or more and three-quarter time load is six semesters. Less than six semester hours is considered less than one-half time.

Current VA regulations apply for all short term courses which do not satisfy the minimum amount of contact hours per week, regardless of the amount of credit hours earned for such courses. For complete information regarding "short term courses" contact the Office of Veterans' Affairs.

Repeated Courses for Veterans Receiving Educational Benefits

If a veteran fails a required course, he/she may repeat that course with pay. However, he/she cannot repeat a course just to improve a grade and receive payment through the Veterans Administration. (See also Repeated Courses).

Standards of Progress

The following standards must be met in order for veterans or other eligible persons to receive VA benefits:

1. Grading system as required by the academic standards of the university,
2. Satisfactory grade level as required by the academic standards of the university,
3. Probation and probationary periods as required by the academic standards of the university,
4. Conditions for dismissal, suspension, and readmission as required by the academic standards of the university, and,
5. Satisfactory student conduct as required by the rules and regulations of the university.

The student who receives VA benefits will have his or her pay suspended should he or she make the grades of "F" or "I" preventing completion of his or her program within the required time limit. Reports of unsatisfactory progress or conduct will be made to the Veterans' Administration Regional Office and the student may require counseling.

Withdrawal Policy

Students who receive veterans' benefits must notify the Office of Veterans' Affairs when dropping or adding a course or when withdrawing. Each withdrawal or drop resulting in a reduction in the course load must show the effective date of the change and the reason for the change. The withdrawal policies of the university also apply.

Veteran Payments and Responsibilities

Receipt of Checks A student who completes an application at the beginning of the semester should expect a VA processing period of about six weeks. If the estimated time has elapsed and a check has not arrived, the student should contact the Office of Veterans' Affairs immediately and, if the case warrants, an inquiry will be made to the Regional Office.

Payment Since Athens State University does not participate in the advance payment plan for veterans, tuition and fees must be paid in full by the published payment date (except for those veterans receiving Vocational Rehabilitation). Veterans receiving Vocational Rehabilitation are eligible to register without payment of tuition and fees providing that an award authorization letter has been received prior to the registration period.

Overpayments Each veteran drawing benefits should be aware that it is his or her responsibility to comply strictly with the policies and procedures which govern the receipt of educational benefits. Any overpayment created through non-compliance with veterans' policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

Responsibilities It is the responsibility of the veteran and dependents receiving VA benefits to notify the Office of Veterans' Affairs of the following:

1. Major change
2. Prospective graduation date
3. Changes (Drop and/or adds, credit level, major or dependency status)
4. Every semester during registration, complete an Athens State University Veterans' Registration Information Form in the Office of Veterans' Affairs.

Other Types of Assistance

Work Study Program

To be eligible for work-study, a veteran must be enrolled at least 3/4 time and must be receiving V.A. educational benefits. Preference is given to disabled veterans. Payment for the work performed is at the prevailing minimum hourly wage rate in addition to the usual subsistence allotment.

Tutorial Assistance Program Veterans enrolled on a half-time or greater basis may receive a special allowance for individual tutoring. To qualify, the veteran must demonstrate deficiency in a subject making tutoring necessary. Each tutor's qualifications must be reviewed and approved by the Office of Veterans' Affairs. It is the student's responsibility to secure a tutor. The tutor may be anyone except a family member.

ACADEMIC POLICIES AND PROCEDURES

DEGREE OPTIONS

Athens State University offers four baccalaureate degree options: the Bachelor of Arts degree, the Bachelor of Business Administration degree, the Bachelor of Science degree, and the Bachelor of Science in Education degree. **Students should refer to their major section of the catalog for degrees conferred and specific course requirements.**

GENERAL STUDIES CURRICULUM CORE

Some of the General Studies Curriculum Cores may carry specific course requirements. **Students should refer to their major section of the catalog for specific course requirements.**

GENERAL UNIVERSITY REQUIREMENTS

A student expecting to receive a degree from Athens State University must apply for graduation no later than the registration period of the term in which he or she expects to graduate. A student must satisfactorily meet all University requirements and financial obligations before the degree is awarded.

To graduate, each student must:

1. complete a minimum of thirty-three semester hours (three semester hour courses) of the last 39 semester hours to meet Athens State University's residency requirement.
2. complete sixty-four semester hours of senior college credit, of which at least forty-two semester hours must be 300-400 level credit.
3. complete a minimum of fifteen semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than fifteen semester hours of coursework in the major at Athens State University.
4. complete all course requirements for major(s).
5. complete all course requirements for minor (if applicable).
6. complete all of the general studies curriculum core for the degree.
7. attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
8. complete the total degree requirements at a minimum of 124 to a maximum of 128 semester hours.
9. complete the teacher certification requirements (if applicable).
10. apply no more than sixty-four semester hours of non-graded college credit applicable toward the degree.

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

ACADEMIC ADVISING

Upon admission to Athens State University, each student is assigned an advisor. The student should confer with his or her advisor at least once each semester. Although the student bears final individual responsibility for meeting all degree requirements, the advisor will assist in planning the student's academic program. A change of major form; or adjustments to program of study require completion of a Petition for Adjustment of Curriculum.

ACADEMIC CREDIT

The Athens State University calendar consists of semester-length terms; the unit of credit is the semester hour. Course descriptions indicate the number of semester hours which may be earned for a particular course. Transfer credits earned in quarter hours will be evaluated on the basis that one quarter hour equals two-thirds semester hours. (Example: a five quarter hour course would equal 3.3 semester hours.) See Transfer Credit Restrictions on this page.

Correspondence Credit

Any extension or correspondence credit must be from a regionally accredited college or university, and may not exceed twelve semester hours. The student must petition through his or her advisor and in turn obtain permission from the Dean of Academic Affairs for credit through extension or correspondence courses.

Business and Proprietary Schools

Students who have completed a program from a regionally accredited business or proprietary school may be admitted to Athens State University. During the admissions process, each student's previous work will be reviewed to ascertain the entry study level of the student. Individual related subject courses and grades may not be directly transcribed, however, certain courses may be used as substitutions or waivers for a specific course in the Athens State University degree program but will not affect the total hours residency required for that degree program. Credit earned through this method will not be used in determining the student's cumulative grade point average.

Continuing Education Units

Athens State University does not accept continuing education units (CEU's) for academic credit.

College Level Examination Program (CLEP)

Athens State University honors credit earned through the College Level Examination Program (CLEP), provided appropriate scores are achieved. Students enrolling or enrolled at Athens State University who are interested in attempting the College Level Examinations should consult the Dean of Student Affairs or the Admissions Office in the Sandridge Student Center for information.

A student may not receive CLEP credit for any previously attempted University course. Since CLEP is accepted as non-graded credit, it cannot be used in order to raise the grade point average. All CLEP examinations are accepted as freshman-level credit. Although credit may be awarded by the University, applicability toward the degree program is determined by the school concerned.

Credit earned under the Defense Activity for Non-Traditional Education Support (DANTES), and the United States Armed Forces Institute (USAFI) may be granted by Athens State University. Official transcripts of these scores must be mailed directly to the Office of Admissions.

Transfer Credit Restrictions

After achieving junior status or sixty-four semester hours, a student may not transfer credit for courses taken at a junior college except by prior written permission from the Dean of Academic Affairs. A student's overall grade point average must be 2.0 or higher (transfer and Athens State University credits). No more than 64 semester hours of junior/community college credit will apply toward graduation degree requirements.

Transfer students who have completed a major before enrolling at Athens State University may be required to take selected courses for the major at this institution.

Course credit taken at the graduate level or applied toward a graduate degree will not be accepted at Athens State University or recorded on the Athens State University transcript. However, certain courses may be used as substitutions or waivers for a specific course in the Athens State University degree program but will not affect the total hours residency required for that degree program.

Transient Credit

Any student in good standing who desires to take a course at another institution and transfer credit to Athens State University must first petition to do so through his or her advisor. A letter of permission must be obtained from the Admissions Office. The total number of hours taken cannot exceed the maximum allowed in a term at Athens State. Special permission to return to a junior college must be obtained from the dean of the appropriate academic school.

Students on probation are ineligible to enroll for transient credit at other institutions and courses taken elsewhere will not be accepted.

Students should not participate in transient coursework during the final semester in which graduation at Athens State University is anticipated.

Transcripts of transient work to be applied toward meeting graduation requirements must be received by the Athens State University Admissions Office within the next semester after credit is earned, and at least ten weeks prior to the date of graduation.

ACADEMIC HONESTY

Athens State University, like all communities, can function effectively only when its members treat one another with honesty, fairness, respect, and trust.

ACADEMIC DISHONESTY

It is the responsibility of every student at Athens State University to be familiar with the honor code. It shall be the responsibility of every student at Athens State University to obey and to support the enforcement of this honor code which prohibits lying, cheating, or stealing when these actions involve academic procedures, or when these actions involve any student or University personnel acting in an official capacity.

A. Academic Dishonesty

Academic dishonesty includes **but is not limited to** the following:

1. **Plagiarism**-Plagiarism consists in taking the words or specific substance of another and either copying or paraphrasing the work without giving credit to the source. Examples of plagiarism include:
 - a. Submitting a term paper, examination, or other work created by someone else.
 - b. Failure to give credit in a footnote for ideas, statements of facts, or conclusions derived by another.
 - c. Failure to use quotation marks when quoting directly from another, whether it be a paragraph, a sentence, or even a part thereof.
 - d. Close and extended paraphrasing of another.
2. **Cheating**-Cheating consists in the use of unauthorized notes, study aids, or information from another student or student's paper in an in-class examination; altering a graded work after it has been returned then submitting the work for regrading; and allowing another person to do one's work and to submit the work under one's name. This definition includes copying computer files or listings from another student. During examinations, cheating includes referring to information not specifically condoned by the instructor.
3. **Fabrication**-Fabrication consists in presenting data in a piece of work and failing to include a substantially accurate account of the method by which the data were generated or collected. Data gathered in accordance with guidelines defining the appropriate methods for collecting or generating data should be documented by a reference to the guidelines used. Fabrication specifically includes submission of data purporting to be the results of an experiment not actually performed by the student.
4. **Aiding and Abetting Dishonesty**-Aiding and abetting dishonesty includes the providing of material or information to another person with knowledge that these materials or information will be used improperly. This includes taking an examination or doing any work and submitting it under another student's name.
5. **Collusion**-Collusion consists in the unauthorized collaboration of students, one with another, in preparing work to be submitted.

6. **Unauthorized Possession or Disposition of Academic Materials**-Unauthorized possession or disposition of academic materials includes the selling or purchasing of examinations or other academic work, taking another student's academic work without permission, possessing examinations or other assignments not formally released by an instructor, and submitting the same paper for two or more different classes without the specific authorization of all instructors involved.

B. Corollary Actions

1. Any instructor may further define in writing any specific acts which in the context of the class would constitute academic dishonesty. The instructor shall provide a copy of these definitions to the head of the academic division in which the course is taught.
2. Any instructor may require students to sign a pledge at the conclusion of an examination stating that they have neither given nor received aid from any unauthorized source during the examination.
3. Any instructor or proctor shall have the right to examine all materials in the student's possession during quizzes, examinations, and/or laboratory sessions.

C. Procedural Steps

1. When an instructor sees cause to charge a student with academic dishonesty, the instructor will first discuss the matter with the student. The instructor will explain both the specific charge and the proposed penalty including any grade adjustment.
2. To facilitate consistency throughout the University in the application of sanctions for academic dishonesty, all instructors shall notify, in writing, the dean of the appropriate academic school and the Chief Academic Officer for the University, of any academic penalty which has been imposed on a student for reasons of academic dishonesty. This notification shall occur within five (5) instructional days from the date of the alleged academic dishonesty.
3. Within 20 instructional days of the allegation of alleged dishonesty, the student may appeal the instructor's decision to the dean of the appropriate academic school. The dean of the appropriate academic school will confer with the student and the instructor in an attempt to reach an acceptable agreement. At that time, the dean of the appropriate academic school will present the student with a written statement of the charges and the proposed penalty. This notice will also inform the student of the right to appeal to the Chief Academic Office and the steps involved in that process if an agreement is not reached. A copy of this notice, along with supporting documentation, will be sent to the Chief Academic Officer who will maintain records of all proceedings.

If the dean of the appropriate academic school is the instructor who charges the student with academic dishonesty, then the dean of the appropriate academic school must appoint another faculty member from the School who will assume the duties of the dean of the appropriate school for the purposes of any action regarding this specific case.

4. If the charge is not resolved at the school level, the student may request an appeal at the University level within ten instructional days. Upon receipt of a written request from the student, the Chief Academic Officer will appoint and convene a University-wide committee on academic honesty. This committee will consist of a minimum of two students, except those students involved in the case, and faculty from all schools in the University, except those faculty directly involved in the case.
5. It is the responsibility of the committee to insure that the student's basic rights of due process are upheld. The accused student has the basic rights of:
 - a. proper written notification of the accusation including a complete explanation of the proposed penalties and the effect of such penalties on the student's academic life.
 - b. proper written notification of the time and place of any hearings held by the committee regarding the case.
 - c. fair hearings in the committee with the opportunity to meet the accuser and to hear all the materials being offered in evidence.
 - d. the opportunity to present evidence or witnesses.
 - e. the opportunity to appoint a faculty member, not serving on the committee, to be present during all committee meetings and to offer advice and counsel. This opportunity in no way precludes the student's right to retain other counsel.
 - f. a full explanation of all policies relating to the proceedings being brought against the student.

After the committee has reviewed the case, the Chair of the Committee shall provide a written advisory report to the Chief Academic Officer. The Chief Academic Officer will then render a decision and notify the student as to whether or not the penalty proposed by the school will be upheld. The decision is nonappealable and final. Grades resulting from academic dishonesty may not be appealed through "Review of final grade process."

D. Academic Penalties

The following is a list of penalties which may be imposed upon any student found guilty of academic dishonesty. Penalties which may be imposed by the instructor or School Dean include.

1. Requirement to submit additional work or take additional exams.
2. A lower or failing grade on the assignment or examination.
3. A lower or failing grade in the course.
4. Removal from class.

E. Possible Additional Penalties

The following is a list of penalties which may be imposed by the Chief Academic Officer, in addition to those imposed by the instructor or School Dean:

1. **Reprimand:** a written statement from the University expressing disapproval of conduct. This reprimand will be retained with the student's permanent record.
2. **Disciplinary Probation:** probationary status to be noted on the student's permanent record.
3. **Disciplinary Suspension:** suspension from the University for a period of one year. This suspension will be noted on the student's permanent record. After a period of one year the student may be readmitted to the University, but will return under disciplinary probation.
4. **Dismissal:** a permanent separation from the University. Students receiving this penalty are forever prohibited from readmission to the University. Dismissal will be noted on the student's permanent record.

ACADEMIC HONORS AND AWARDS

Honors Convocation

A special honors convocation will be held in the spring semester at which time students with outstanding academic achievements are recognized. To be eligible for nomination for special convocation recognition students must have 18 semester hours credit in residence on record at Athens State University. All students in a given academic year are eligible for consideration.

Dean's List

The Dean's List is published each semester and includes the names of students who have attained a 3.75 through 4.0 grade point average on at least 12 semester hours of course work for that specific term.

Honorable Mention List

The Honorable Mention List is published each semester and includes the names of the students who have attained a 3.5 through 3.74 grade point average on at least twelve semester hours of course work for a specific term.

DEGREES WITH HONOR

The following degrees with honor are based on all academic work at all institutions attended. To be eligible for honors, one-half of the total hours applied toward the degree must be regular academic course credit.

Summa Cum Laude

Awarded to the student who earns a grade point average of 3.9 or above during his or her academic career.

Magna Cum Laude

Awarded to the student who earns a grade point average of 3.75 during his or her academic career.

Cum Laude

Awarded to the student who earns a grade point average of 3.5 during his or her academic career.

ACADEMIC RECORD

The student's permanent academic record will consist of an Athens State University transcript, and **may** include the following: admission application, official transcripts from colleges and universities previously attended, graduation application, degree audit forms, transcript release forms, documentation which may affect the release of student's records and only disciplinary action that would directly affect the student's enrollment in the institution. Financial records are not considered part of the student's permanent academic record.

AUDITED COURSES

Upon recommendation of his or her advisor, a student may audit a non-laboratory course. Students should attend class under the same obligation as the credit student although they are not required to complete scheduled examinations. Standard registration procedures apply. The cost is one-half the regular tuition plus the appropriate fees. No change from audit to credit is allowed. Audited classes are on a space available basis.

CATALOG REQUIREMENT

A student may complete requirements for graduation as specified in the Athens State University catalog for the year of entry provided he or she does so within a period of five years from the original date of entry. A student who does not complete requirements for the undergraduate degree within a period of five years from the date of entry must adhere to the undergraduate requirements of the catalog under which they begin the sixth year of enrollment. This process is repeated every five years until the student graduates.

CLASS ATTENDANCE

It is accepted academic philosophy that sustained class attendance is essential to the overall educational value of a course of study in higher education. In order to achieve maximum benefit from educational activities, Athens State University expects regular class attendance from all students. Those students receiving veterans' benefits are required to attend classes according to the regulations of the Veterans' Administration.

The standards of performance to be met by each student, including specific attendance regulations for each course, will be set by each faculty member for his or her own course. Class attendance policies and other course requirements will be published in the course syllabus and will be discussed in detail by the faculty member on the first day of class each semester. It is important that the student secure a copy of each course syllabus from the instructor on the first day of class, or from the school offices prior to the beginning of classes. A student's performance in relation to the established standards and class attendance regulations shall determine the student's grade in a course. Any student who must miss an examination has the responsibility for notifying the faculty member as soon as is practical. It is the decision of the faculty member whether exams may be "made-up."

CLASS HOUR LOAD

The normal class hour load for a full-time student is twelve to nineteen semester hours per term including Summer Term. During semesters in which compressed sessions are offered, the institution reserves the right to further limit the number of hours for which a student may enroll. No student may take more than twenty-four (24) semester hours per term. Students who wish to take more than nineteen (19) semester hours must secure written permission via an overload request form. This overload request must be signed by the advisor and the dean of the appropriate academic school prior to enrollment. Requests for exceptions will require written justification along with the following documentation and recommendation of your advisor:

- (1) advising worksheet
- (2) transcript, and
- (3) proposed schedule.

COURSE CANCELLATION

Athens State University reserves the right to cancel any course.

COMMENCEMENT

Commencement ceremonies will be held in the spring and in the summer.

DIRECTED STUDY/RESEARCH COURSES

With approval of the appropriate advisor and dean of the appropriate academic school, Athens State University students may complete no more than six semester hours of Directed Study/Research credit during their academic study with the University. Such directed study research must be conducted in the student's major area of study and the student must complete a directed study form.

DROP AND ADD

For a period specified in the University calendar immediately following registration periods, courses may be dropped and other courses added upon completion of the following requirements:

1. The student must complete the appropriate forms in the Admissions Office; and,
2. Make payments as required in the Financial Affairs Office. The student is responsible for notifying the academic advisor of schedule changes. (**NOTE: Each change in class schedule requires a \$5.00 drop or add fee.**)

Prior to making a change in schedule, students receiving veteran's benefits must see the Coordinator of Veterans' Affairs; those receiving other financial aid should check with the Director of Student Financial Services.

DUAL ENROLLMENT OF ATHENS STATE UNIVERSITY STUDENTS WITH JUNIOR/COMMUNITY COLLEGES

Dual enrollment in a junior/community college and Athens State University may be permitted in order to allow the student an opportunity to complete the general studies curriculum core requirements; however, at no time may a student be enrolled in more than 19 semester hours without an overload request form approved by the dean of the appropriate academic school at Athens State University.

Written Composition	6 semester hours
Pre-Calculus Algebra	3 semester hours
Natural Science	8 semester hours
*History/Literature	6 semester hours

*Students are required to have a history or literature sequence.

S.I.R. AGREEMENT (Special Instructional Request)*

Athens State University and Calhoun Community College cooperate in a Special Instructional Request (S.I.R.) program. Grades are reported to the Athens State University Records Office and recorded on the student's Athens State University transcript. To participate in this program, the Athens State University student must:

1. be deficient in one of the courses listed below:
Written Composition** ENG101 and ENG102
Accounting BUS 210, BUS 241, BUS 242, BUS 248
History HIS 101, HIS 102, HIS 121, HIS 122, HIS 201, HIS 202
Principles of Economics EC 231 and EC 232
Pre-requisite Science and Mathematics** courses
2. must not participate in S.I.R. during the final semester/term in which graduation at Athens State University is anticipated. Ideally, students should remove deficiencies in the first semester.
3. register for only one S.I.R. course per semester.
4. receive the approval of advisor (The advisor adds the S.I.R. course to the standard sheet).
5. register for S.I.R. course only during early or regular registration at Athens State University.
6. receive a copy of S.I.R. form during registration.
7. pay Athens State University tuition for the S.I.R. course.
8. notify Athens State University Admissions Office if class attendance is discontinued.
9. be enrolled in at least one course at Athens State University.
10. not enroll in Calhoun Telecourses under the S.I.R. Agreement.

****Athens State University students are considered visiting students under the S.I.R. program and are placed in Calhoun courses only after all Calhoun students are registered.***

*****Student is subject to English and/or mathematics placement exam (ASSET) at Calhoun.***

After meeting with advisor, students registering for an S.I.R. course must go to the Dean of Academic Affairs' office to receive a reference number for the S.I.R. This should be done prior to presenting registration form to the Admissions Office.

CONSORTIUM AGREEMENT

Athens State University participates in a Consortium Agreement with The University of Alabama in Huntsville, Alabama A&M University, and Oakwood College. To participate in the program, the student:

1. must be considered a full-time student at Athens State University.
2. may take only one (1) consortium course per semester.
3. must maintain at least a "C" average. (2.0 on a 4.0 scale)
4. must secure faculty advisor's approval of the course to be taken.
5. may request participation **only** during early and regular registration.
6. must not participate in Consortium agreement during the final semester in which graduation at Athens State University is anticipated.

The course to be taken must not be available to the student at his/her home institution and it must be in his/her approved schedule and curriculum plan.

GRADING

Grading Policy

Letter grades of "A", "B", or "C" represent levels of accomplishment sufficient to allow students to make satisfactory progress toward graduation. "D" level work is considered inferior and the minimum-level accomplishment that will allow the students to continue their studies at Athens State University. A grade of "F" is assigned to the student who (1) fails to meet minimum course requirements, or (2) voluntarily discontinues class attendance without officially withdrawing.

A grade of "W" will be assigned to a student who officially withdraws during the first eight (8) weeks of the regular semester. After the final exam is given, no "W" can be assigned. Absence from class does not constitute an official withdrawal. A "W" cannot be changed to a grade, nor can a grade be changed to a "W." Starting with the ninth week, a "W" can be assigned only with the permission of the instructor. A student not following these procedures will receive the grade of "F."

A grade of "I" (incomplete) will be given only under extenuating circumstances. If an "incomplete" is given, the time allotted a student to complete the course is at the discretion of the instructor; however, a student receiving an "I" in any semester should be aware that the "I" must be completed before the end of the next semester or the "I" automatically becomes an "F" unless extended by the instructor. For the purpose of computation "I" is always evaluated as "F" until a grade change is made.

Grades of "W" and "AU" do not affect the grade point average.

Quality Points for Letter Grades

For each hour of credit in a subject, the letter grade is equated to grade points as follows:

"A"	4.0 Quality Points
"B"	3.0 Quality Points
"C"	2.0 Quality Points
"D"	1.0 Quality Point
"F"	0.0 Quality Points
"AU"	Audit

Grade Review

Athens State University provides a procedure through which students may request a review of the final grade received in coursework taken at Athens State University which is distinct and different from the appeals procedure for academic dishonesty.

The first step by the student in the appeals process shall be to contact the faculty member involved and try to resolve the dispute informally.

If satisfaction is not achieved at this level, the student may appeal to the dean of the appropriate academic school provided such appeal is filed in writing with the dean of the appropriate academic school within 14 calendar days of the first day of classes of the academic term immediately after the academic term for which the student took the course associated with the grade. This appeal by the student to the dean of the appropriate academic school shall be made in writing and shall state clearly the reason(s) for the appeal of the final grade and the desired remedy. This document shall be provided by the student to the dean of the appropriate academic school and shall constitute the basis and only record for deliberations with the dean of the appropriate academic school. A copy of this document shall be provided by the dean of the appropriate

academic school to the faculty member who awarded the grade. This document shall also contribute a part of the record for subsequent appeals by the student to the Chief Academic Officer.

If satisfaction is not achieved at the level of the dean of the appropriate academic school, the student may appeal to the Chief Academic Office within ten (10) instructional days of receiving the written response from the dean of the appropriate academic school. The Chief Academic Officer shall undertake a review of the student's written complaint and the written response by the dean of the appropriate academic school.

All appeals to the dean of the appropriate academic school or to the Chief Academic Officer shall be answered by the respective dean in writing within 21 instructional days of receipt of the appeal by the student.

The appeal form may be obtained from the office of a dean of an academic school or from the office of the Chief Academic Officer.

The decision to change or let stand a final grade received for a course taken at Athens State University is the exclusive right and prerogative of the faculty member who taught the course. The decision of the faculty member in this matter is absolute and final.

GRADUATION APPLICATION

A student expecting to receive a degree from Athens State University should notify the Records Office of intent to graduate via the appropriate form and pay the appropriate graduation fee, not later than the registration period of the semester in which he or she expects to graduate. Deadline dates are published in the schedule. It is advisable for a student to consult with their advisor one semester prior to graduation. For a student who does not make the graduation application deadline, there will be an additional fee charged in the amount of \$25.00 for this special diploma order. Failure to notify the Records Office of intent to graduate in a timely manner may result in the student being required to wait until the next semester. It is the student's responsibility to insure that all graduation requirements are met.

REPEATED COURSES

A student who has made an unsatisfactory grade in a course completed at Athens State University and who wishes to repeat the course to earn a higher grade must repeat the course at Athens State University. A grade earned with Athens State University will be listed on the official transcript, but only the last course attempted will be used in computing the grade point average and will be applied toward the degree. Bachelor of Science in Education students should understand that GPA is calculated using grades from all courses attempted (professional studies and content courses) and a course may be repeated only one time. (For Education guidelines, see the section for Education.) For pertinent regulations for Veterans receiving educational benefits please see Veterans Advisement.

SECOND DEGREE

Students who seek a second degree must meet all admission requirements, complete all catalog requirements for the major in that degree, and must complete a minimum of thirty-three semester hours in residency at Athens State University beyond the conferral date of the first degree. Students may not receive more than one degree in a designated graduation period.

STUDENT CLASSIFICATION

Juniors - Students who have earned a minimum of sixty-four semester hours of credit or who have received an Associate degree from an accredited two-year college.

Seniors - Students who have completed a minimum of ninety-three semester hours of credit.

Non-Degree Seeking - Student not seeking a degree.

TESTING/ASSESSMENT

The CAAP examination (Reading, Math and Writing) is administered during the first semester of enrollment to all students with the exception of teacher education. Students who have taken this examination at other institutions may submit scores and be exempt from testing at Athens State University. Students are required to take these examinations as part of the institution's assessment program. This assessment provides the institution information on the institution's entering student body as well as provides to each student a "bench-mark" on current levels of understanding in these three areas. The scores may assist students in determining course selection or in seeking additional assistance in the Writing Center and Math Lab.

Students seeking admission to the Teacher Education Program will take the BST (Basic Skills Test) prior to the end of their first semester of enrollment. Students who score below the 320 level must complete 15 clock hours in the writing or math lab for admission to the Teacher Education Program. Near the end of the senior year, all teacher education students will be required to take "exit" examinations within their varied disciplines (majors). These comprehensive exit exams cover the content of the teaching field(s) and the professional education segment.

In non-teacher education fields, each department (major) will require some form of exit assessment. The requirement may be a capstone experience, exit exam, or other method to assess whether students leaving the program have all the necessary curricular attributes as well as to assess the effectiveness of the curriculum within the major. This is an opportunity for self-reflection and synthesis, allowing the student to demonstrate integration of learning and academic growth. Assessment helps the institution meet student needs and helps ensure that teaching and learning are actually taking place. Assessment is continually under review to determine its value and effectiveness. All assessment methods are subject to change as determined appropriate for the institution. Any student having questions about assessment should contact the Testing Office or the dean of the appropriate academic school.

TRANSCRIPT REQUESTS FROM ATHENS STATE UNIVERSITY

The Records Office must have a written request from the student to have a transcript sent to another college, agency, place of employment, etc., or to the students themselves. OFFICIAL copies of transcripts must be mailed by the Records Office. The following information is helpful in processing your transcript request:

1. Date of Birth
2. Social Security Number
3. Approximate dates of attendance at Athens State
4. Signature (required)
5. Recipient of transcript's complete mailing address
6. \$3.00 transcript fee (first copy is free)

Requests are normally processed within two to three days. There are longer delays during registration periods and at the end of the semester.

WITHDRAWAL

A grade of "W" will be assigned to a student who officially withdraws during the first nine (9) weeks of the semester. Starting with the tenth week, a "W" can be assigned only with the permission of the instructor. After the final exam is given, a "W" cannot be assigned. Absence from class does not constitute an official withdrawal. A "W" cannot be changed to a grade, nor can a grade be changed to a "W". A student not following these procedures will receive the grade of "F."

Withdrawal from classes is not complete until the student has been cleared through the Office of Admissions. Special regulations pertain to those receiving veterans' benefits or financial aid, and those individuals should confer with the Coordinator of Veterans' Affairs or the Director of Student Financial Services prior to initiating a withdrawal action. Specific dates for withdrawal will be included in the schedule each semester.

ADJUSTMENT OF CURRICULUM

The following adjustments of a student's curriculum necessitate completion of a Petition for Adjustment of Curriculum form in consultation with the student's Academic Advisor:

1. Change to a more recent catalog
2. Change of major/minor
3. Change of degree
4. Substitution for required course
5. Waiver of required course

NON-TRADITIONAL ACADEMIC CREDIT

Philosophy and Purpose

The non-traditional academic credit program at Athens State University is an acknowledgment of the philosophy that it is valid educational practice to recognize and award academic credit for various types of learning attained outside the institution. Such learning may have been acquired through certain educational programs conducted by government, business and industry, the military, and other non-collegiate organizations. In addition, non-traditional academic credit may be awarded for acceptable work experience, and/or technical training. The eligible Athens State University student may apply non-traditional experiences and training to several programs of study leading to a baccalaureate degree.

Eligibility

The student who makes application for non-traditional academic credit must have maintained active and current enrollment as a degree seeking student at Athens State University for a minimum of one academic semester. Applicants for non-traditional academic credit are expected to have satisfied the admission standards as published in the Athens State University catalog. However, applicants who do not otherwise satisfy the minimum semester hour standards for admission, and who are eligible for one or more types of non-traditional credit may use work/military experience credit to justify admission to Athens State University provided:

To be eligible for honors, one-half of the total hours applied toward the degree must be regular academic course credit.

1. The experience is judged to be equivalent to completion of a technical degree program in an accredited technical college.
2. The experience is judged to be not less than the minimum hours of college credit required of junior and senior college transfers.
3. The applicant has completed at least eighteen semester or thirty quarter hours of coursework at a regionally accredited institution.
4. The completed coursework includes Written Composition I and II, and pre-calculus algebra or the equivalent.
5. The applicant has maintained at least a 2.0 on a 4.0 scale on all coursework attempted.

Admission to Athens State University will be considered conditional until transcripts from all previously attended colleges and universities, and documentation for all non-traditional credits have been received and verified. All transcripts and non-traditional credit must be received within ten (10) weeks of the first semester of enrollment.

Official evaluations will be processed when (1) the applicant has presented proof of satisfactory completion of one semester at Athens State University, and (2) transcripts from all previously attended institutions have been recorded.

Limitations

1. Credit from non-traditional sources will be granted only if such credit does not duplicate other academic credit.
2. Non-traditional academic credit is granted only if such credit is applicable to the student's course of study.
3. A maximum of sixty-four semester hours earned through non-traditional/non-graded sources may be applied toward a student's degree program.
4. Applications for non-traditional academic credit will not be accepted during the student's final semester of enrollment.

Publication Guides

Publications used as guides in the office of Non-Traditional Credit are as follows:

1. The American Council on Education (ACE)
 - a. Guide to the Evaluation of Educational Experiences in the Armed Services.
 - b. The National Guide to Educational Credit for Training Programs.

2. Other guidebooks and manuals as provided by appropriate accrediting agencies.

Types of Non-Traditional Academic Credit

The types of non-traditional academic credits processed by the Office of Non-Traditional Credit, the documentation requirements and the procedures to be followed are:

Military Training

Academic credit may be awarded to students who have served in the Armed Forces and have completed specialized training provided the following documentation is received:

1. AARTS Transcript (If available).
2. Copies of DD214, DA21, DA20 and DD295.
3. Copies of certificates, awards, and/or other related military courses or training.

United States Air Force members whose military experience has been accepted by the Community College of the Air Force, need not apply for non-traditional academic credit but should have transcripts forwarded from CCAF directly to the Admissions Office.

Military documentation will be evaluated in conformance with:

1. Military Occupational Specialties (MOS)
Appropriate college credit will be granted based on the exhibit date and the ACE course credit recommendation.
2. Military Education
Appropriate academic credit will be granted based on the date and place the course(s) was taken and the ACE course credit recommendation. Academic credit may be awarded at the lower division or upper division category in accordance with ACE recommendations. **Duplication of credits will not be granted.** The decision to accept academic credit from military evaluations toward specific courses in a degree program will be made by the student's academic advisor.

Career/Technical/Professional Education

Academic credit may be awarded for career and technical professional education provided the following documentation is received:

1. Documentation for teaching professional education such as a letter from a director or president specifying length of tenure as a teacher, and validating the successful nature of the experiences.
2. Documentation status card.
 - a. Journeyman status card.
 - b. Apprenticeship certificate.
 - c. Journeyman examination credentials.
3. Documentation of additional training.
 - a. Any certificates, letters, or transcripts of additional technical training.
 - b. Official transcripts from all previously attended educational institutions.

Career/technical experience may require validation by the National Occupational Competency Testing Institute (NOCTI) or another comparable examination of competency approved by the Postsecondary Education Services of the State Department of Education.

For certification requirements, at least three years compensated career/technical work experience in the technical specialty is required for those who have completed a formal postsecondary technical training program; those who have not completed the formal technical training must have completed six years compensated work experience in the technical specialty.

The decision to award career/technical/professional education credits will be made by the Career and Technical Education advisor.

Nursing and Other Health Related Professional Training

Academic credit may be awarded to a student who has completed a professional training program in nursing or other health related professions and holds a license. The following documentation is required:

1. Official transcripts of educational training.
2. Copy of license or proof of successful completion of a State Board Examination.
3. Documentation and verification of work experience in related field, including dates of service and positions held.

The decision to accept nursing and other health related professional training toward specific courses will be made by the Health Sciences advisor.

Technical Work Experience Credit

Up to a maximum of 39 semester hours of academic credit may be awarded as a Basic Technical Specialty established through compensated work experience in selected technical fields. The Basic Technical Specialty is intended primarily to satisfy technology core requirements and is awarded as lower division credit. The procedures for the evaluation of such credit are as follows:

1. The student who wishes to apply for the Basic Technical Specialty must present appropriate documentation and verification of at least six years of successful compensated work experience in an approved technology.
2. The application must be made in writing to the student's academic advisor or to the Coordinator of Non-traditional Credit.
3. A non-refundable filing fee of \$50.00 must be paid for the evaluation process.

The decision to accept technical work experience toward a student's degree program will be made by the Academic Advisor and the dean of the appropriate academic school. The decision is final and absolute.

Work-Based Academic Credit

Up to a maximum of 12 semester hours of senior college credit may be earned through a process that involves validation of appropriate work experience and demonstration of academic competency by examination. Such credit is available for selected courses taught by Athens State University. The student's academic advisor should be consulted to determine the specific course(s) in which credit may be awarded through this process. The procedures for the evaluation of such credit are as follows:

1. The student must submit an application for the specific course(s) for which credit is sought. Each course requested must be listed in the current Athens State University catalog or the catalog under which the student entered.
2. The student must submit valid documentary evidence containing a complete description of the actual work experience as it relates to the content and instructional objectives of each course requested.
3. Proof of a minimum of four years related work experience for each course requested must be clearly established by the evidence presented.
4. Tuition for each course, in the amount of the current Athens State University tuition rate must be paid with the application. The tuition is non-refundable.
5. When the work experience data has been evaluated and accepted as appropriate, a written examination covering the content area of the course may be administered by the academic school offering the course(s). If a passing grade is earned, academic credit will be awarded.

The decision to award work based academic credit will be made by the appropriate Dean. The decision is final and absolute. Application forms may be obtained from the Office of Non-traditional Credit or the dean of the appropriate academic school.

Police Academies

Academic credit may be awarded to students who have completed police academy training and who have acceptable work experience with law enforcement agencies. The procedures for evaluation of such credit are as follows:

1. The student must submit proof of police academy training.
2. The student must submit letters of documentation from employers/supervisors indicating dates of service and positions held.

The decision to accept credit for police academy training will be made by the Justice Studies advisor.

Public Safety Administration

Academic credit may be awarded to students who have earned certain public safety certifications and/or work experience in Public Safety Management and/or supervision. Copies of professional certifications and documentation and verification of work experience including letters of appointment (if required) must be submitted with the application. Applicable tuition at the current Athens State University tuition rate must be paid for each course evaluated under this process. The decision to accept credit for public safety administration evaluations will be made by the Public Safety Administration advisor.

Other Types of Non-Traditional Academic Credit

Academic credit may be awarded from other professional associations and government agencies provided proper documentation is submitted and accepted as appropriate.

For additional information on Non-Traditional Academic Credits, students should contact the coordinator or the Office of Non-Traditional Credit in the Student Center.



**School of Arts
and Sciences**

Thomas S. Jandebaur, Ph.D.
Dean
Waters Hall

SCHOOL OF ARTS AND SCIENCES

Thomas S. Jandebour, Ph. D.
Dean

Major or Minor	Department	B.A.	B.S.	Minor	Certificate
Art	Art	*		*	
Behavioral Science	Interdisciplinary		*		
Biology	Biology		*	*	
Chemistry	Chemistry		*	*	
Computer Information Systems Option	Computer Science		*	*	
Computer Networking	Computer Science				*
Computer Science	Computer Science		*	*	
English	English	*		*	
Health Science	Interdisciplinary		*		
History	History	*		*	
Instrumentation	Physics		*	*	
Instrumentation Physics Option	Physics		*		
Justice Studies	Government and Public Affairs		*	*	
Liberal Studies	Interdisciplinary		*		
Marine Science	Biology			*	
Mathematics	Mathematics		*	*	
Physics	Physics		*	*	
Philosophy and Religion	Religious Studies	*		*	
Political Science	Government and Public Affairs	*	*	*	
Psychology	Psychology	*	*	*	
Public Safety Administration	Government and Public Affairs		*		
Religion	Religious Studies	*		*	
Science Management	Interdisciplinary		*		
Sociology	Sociology	*	*	*	*

SCHOOL OF ARTS AND SCIENCES

Thomas S. Jandebeur, Ph.D., School Dean

Both the organization of the School of Arts and Sciences and information relative to degree options, majors, minors, and a certification program are summarized in the preceding chart. An asterisk is used to designate the degree option(s) for a particular major, and to indicate that a department offers a minor or a certificate.

Certain School of Arts and Sciences curricula require courses to be completed in a particular sequence. Therefore, it is important that Arts and Sciences students meet with their Faculty Advisor, to be assigned by the School Dean, as soon as possible. It must be noted, however, that the student bears individual responsibility to schedule and complete all requirements for the degree and a particular program of study. To fit specific student need, a special program of study may be devised which varies from published requirements. However, under no circumstances are alterations to a particular curriculum permitted without prior approval of the student's Faculty Advisor and completion of a Petition for Adjustment of Curriculum form.

School of Arts and Sciences curricula are designed to prepare students for entry into the job market, or for continuing education in graduate or professional school. Through its course offerings, the School seeks to engage the intelligence, excite the imagination, and improve the scholarship of its students, and to assist its students to develop:

- competencies in written and oral communications;
- appreciation of our cultural heritage and understanding of our world;
- a knowledge base conducive to self growth and enriched life experiences; and,
- fundamental knowledge and research skills essential to lifelong learning.

Majors leading to a Bachelor of Arts degree are sponsored by departments of Art, English, Government and Public Affairs, History, Psychology, Religious Studies, and Sociology. Majors leading to a Bachelor of Science degree are sponsored by departments of Biology, Chemistry, Computer Science, Government and Public Affairs, Instrumentation, Mathematics, Physics, Psychology, and Sociology. The departments of Psychology and Sociology sponsor an interdisciplinary major in Behavioral Science leading to a Bachelor of Science degree. The Department of Computer Science sponsors a computer networking certificate program. In cooperation with the School of Education, students majoring in Biology, Chemistry, History, Language Arts, Mathematics, Comprehensive Science, or Social Science may earn a Bachelor of Science in Education degree leading to Class B Certification in High School Education (see School of Education section of this catalog). In cooperation with the School of Business, the School sponsors an interdisciplinary major in Science Management leading to the Bachelor of Science degree. In cooperation with the School of Business or the School of Education, the School sponsors an interdisciplinary major in Health Science leading to the Bachelor of Science degree. Pre-medical, pre-dental, and para-medical students are advised to major in either Biology or Chemistry; a program of study tailored to meet specific recommendations of a particular professional school, and leading to a Bachelor of Science degree, will be worked out for the student in consultation with his or her Faculty Advisor.

To qualify for graduation, science or mathematics students must achieve a 2.5 grade point average in their major field.

ART (AR)

The Bachelor of Arts degree in Art at Athens State University certifies the completion of major study in the visual arts, which has been taken as an integral part of a general liberal arts degree program. The degree implies study in depth of a number of studio and art history courses.

The self-growth of artists is a primary goal of this program. Preparation for graduate studies in visual arts for majors is another important aspect of this study. Each student will receive careful consideration of individual needs and conscientious direction in planning an appropriate avenue of study within the program. The senior majors exhibition culminates the study.

Additionally, the department offers enrichment courses for non-art majors, electives for the continued growth of artists, required art education courses and required humanities electives.

Bachelor of Arts - Art Major

MAJOR CODE: 50.0701

Program components for the Bachelor of Arts degree with a major in Art include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____ . ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours ____ . ____

At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____ . ____

At least 3 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 SEMESTER HOURS

V PRE-PROFESSIONAL COURSES:

Drawing (first course) 3 semester hours ____

Drawing (second course) 3 semester hours ____

Two-Dimensional Design (first course) 3 semester hours ____

Three-Dimensional Design (first course) 3 semester hours ____

Ancient and Medieval Art 3 semester hours ____

Survey of Post-Medieval Art 3 semester hours ____

General electives 5 semester hours ____

TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. **PROFESSIONAL COURSES:**

AR 312 Figure Drawing	3 semester hours	___
+ AR 330 or AR 331 Photography I or Photography II.....	3 semester hours	___
AR 418 Art Studio	3 semester hours	___
#AR 419, AR 420 Art Studio, or AR 404, 405 Art Studio in Photography, or AR 406, 407 Art Studio in Graphic Design	6 semester hours	___ ___
AR 423 History of Modern Art	3 semester hours	___
AR 424 Late Modern Art History	3 semester hours	___
AR 430 Advanced Drawing and Design or AR 410 Layout and Design	3 semester hours	___
AR 402 Portfolio and Exhibition	1 semester hours	___
AR 403 Directed Studies in Art Research	2 semester hours	___

TOTAL PROFESSIONAL HOURS: 27 Semester Hours

+Students with emphasis in photography must take AR 330 and AR 331. Students with the A.A. or A.S. degree and photography experience, with the permission of the instructor, may elect to skip AR 330.

#Students may elect to take art studios in photography and graphics, painting and photography, or painting and graphics with the permission of their Faculty Advisor and the course instructor.

4. All students declaring art as a major or minor will be required to demonstrate proficiency in drawing, design, and knowledge of art history before being admitted to the program. A student seeking admission to the program must submit a portfolio to the Department and be interviewed by the art faculty. If the faculty finds inadequacies in the student's preparation and does not feel that the student is adequately prepared to do upper division work, remedial courses may be assigned. The Art major must complete a minimum of forty-five semester hours of art coursework, at least fifteen semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300-400 level). All students will be required to exhibit their work on campus during their final term before graduation.
5. A minor is required. Students with emphasis in photography or graphic design are encouraged to consider a business minor. Electives in marketing and advertising are recommended and may count as art electives.

6. **GENERAL ELECTIVES 37 Semester Hours** ___ ___ ___
 ___ ___ ___
 ___ ___ ___

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

Art Minor

Art minors should notify a member of the art faculty of their intentions as soon as the art minor is declared. A minor in art consists of 18 semester hours of art coursework, including the following courses or their equivalent:

AR 312 Figure Drawing	3 semester hours
AR 423 History of Modern Art	3 semester hours
AR 424 Late Modern Art History	3 semester hours
AR 430 Advanced Drawing and Design or AR 410 Layout and Design	3 semester hours
Art electives	6 semester hours
Total Hours Required for a Minor	18 semester hours

BEHAVIORAL SCIENCE

This program is designed for the student who ultimately aspires to work in the area of mental health, social work, counseling, or substance abuse. It provides students the flexibility of being able to enter the work force immediately upon graduation or to enter a master's degree program in counseling or social work. The program provides a solid foundation of the basic knowledge in psychology and sociology, and provides for a concentration of courses dealing with applied and clinical aspects of human services professions. The specific objectives of this degree are to:

1. Provide a knowledge base of psychology including major theories and research findings.
2. Teach a variety of clinical concepts and skills which will be useful in applied human services settings.
3. Instill an appreciation for the ethical principles governing the fields of psychology, social work, and counseling.
4. Assist the student either to locate degree related employment or to be admitted to an appropriate graduate program.

A departmental exit exam is required of all students completing a degree in behavioral science.

Bachelor of Science - Behavioral Science Major **MAJOR CODE: 30.9999**

Program components for the Bachelor of Science degree with a major in Behavioral Science include:

1. Applicable general university requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I Written Composition 6 semester hours ____ ____

II Humanities and Fine Arts 12 semester hours ____ ____ ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

III Natural Sciences and Mathematics 11 semester hours ____ ____ ____

Minimum of 3 semester hours in mathematics at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences.

IV History, Social and Behavioral Sciences 12 semester hours ____ ____ ____

Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. *As a part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or history.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 SEMESTER HOURS

V. PRE-PROFESSIONAL COURSES:

Marriage and Family (3 semester hours)

General Psychology (3 semester hours)

Electives in Sociology or Psychology (6 semester hours)

General electives (11 semester hours)

TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. **PROFESSIONAL COURSES:**

PS 304 Drugs and Behavior	3 semester hours ____
PS 331 Social Psychology	3 semester hours ____
PS 332 Child Psychology or	
PS 334 Adolescent Psychology or	
PS 335 Adult Psychology	3 semester hours ____
PS 341 Statistics in Behavioral Science	3 semester hours ____
PS 352 Abnormal Psychology	3 semester hours ____
Psychology Elective	3 semester hour ____
SO 312 Majority/Minority Group Relations	3 semester hours ____
SO 342 Methods of Behavioral Science Research	3 semester hours ____
SO 360 The Contemporary American Family	3 semester hours ____
SO 361 Social Analysis	3 semester hours ____
SO 362 Deviant Social Behavior	3 semester hours ____
Sociology Elective	3 semester hours ____

TOTAL PROFESSIONAL HOURS: 36 SEMESTER HOURS
4. A minor is not required.
5. **GENERAL ELECTIVES 28 Semester Hours** ____ ____ ____ ____
 The behavioral science major is encouraged to select electives related to work in the human services field. Such electives would include additional psychology and sociology courses, but no more than 12 semester hours in these areas, and Human Anatomy and Physiology, Human Sexuality, and Criminal Justice.
6. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

BIOLOGY (BI)

The Department of Biology sponsors majors leading to the Bachelor of Science degree and to the Bachelor of Science in Education degree (See School of Education for degree requirements.) Biology and Marine Science minors also are offered.

Structured to prepare students for research and technical areas requiring a baccalaureate degree, the biology major also is designed to satisfy most graduate and/or professional school admission requirements. The objective of the major is to provide the graduate with a comprehensive science education, encompassing standard academic courses in biology, chemistry, mathematics, and computer science. Courses and programs are structured to provide basic coursework applicable to (1) fields requiring a general preparation in biology, (2) graduate and professional programs, (3) medical and related health fields, and (4) secondary school teaching.

Bachelor of Science - Biology Major

MAJOR CODE: 26.0101

Program components for the Bachelor of Science degree with a major in Biology include:

1. Applicable general university requirements.
2. **GENERAL STUDIES CURRICULUM CORE:**
 - I **Written Composition** 6 semester hours ____
 - II **Humanities and Fine Arts** 12 semester hours ____
Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theatre and dance. *As part of the **General Studies Curriculum Core**, students must complete a 6 semester hour sequence either in literature or in history.
 - III **Natural Sciences and Mathematics** 11 semester hours ____
Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences.

The biology major must complete
Principles of Biology I (4 semester hours) and
Principles of Biology II (4 semester hours)
 - IV **History, Social and Behavioral Sciences** 12 semester hours ____
Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. *As a part of the **General Studies Core Curriculum**, students must complete a 6 semester hour sequence either in literature or in history.
- TOTAL GENERAL STUDIES CURRICULUM CORE** 41 SEMESTER HOURS
- V **PRE-PROFESSIONAL COURSES:**

The biology major must complete
College Chemistry I (4 semester hours)
College Chemistry II (4 semester hours)
Biology or Chemistry elective (4 semester hours)
General electives (11 semester hours)
TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS
- TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS:** 64 SEMESTER HOURS

3. **PROFESSIONAL COURSES:**

Elementary Statistics or
Calculus I (3-4 semester hours)
Introduction to Organic Chemistry or
Organic Chemistry I (4 semester hours)
Introduction to Information Systems or
Microcomputer Applications or
Pascal Programming or
FORTRAN Programming or
Scientific Computation (3 semester hours)

BI 301 Cell Structure and Function 4 semester hours ____

BI 302 Genetics 4 semester hours ____

BI 303 General Ecology 4 semester hours ____

A minimum of 18 semester credit hours from among the following biology courses:

Human Anatomy and Physiology I 4 semester hours ____

Human Anatomy and Physiology II 4 semester hours ____

General Microbiology 4 semester hours ____

BI 321 Conservation Biology 3 semester hours ____

BI 322 Human Genetics 3 semester hours ____

BI 323 Human Reproduction 3 semester hours ____

BI 341 Biogeography 3 semester hours ____

BI 342 Economic Botany 3 semester hours ____

BI 410 Biochemistry 3 semester hours ____

BI 411 Invertebrate Systematics and Morphology or

BI 412 Invertebrate Development and Function 4 semester hours ____

BI 413 Vertebrate Biology or

BI 414 Comparative Vertebrate Anatomy 4 semester hours ____

BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology 4 semester hours ____

BI 421 Field Vertebrate Zoology II: Ornithology and Mammalogy 4 semester hours ____

BI 424 Animal Physiology 4 semester hours ____

BI 431 Plant Systematics and Morphology or

BI 432 Plant Development and Function 4 semester hours ____

BI 440 Biotechnology 3 semester hours ____

TOTAL PROFESSIONAL HOURS: 30 SEMESTER HOURS

4. The Biology major must complete a minimum of 18 semester hours of upper division biology course work, at least 12 semester hours of which must be taken at Athens State University. Courses taken under the SIR agreement do not constitute upper division course work.

The major who plans to attend graduate, medical, or other professional (e.g., veterinary, chiropractic, optometry, pharmacal) school, or who seeks special licensure or certification (e.g., physical therapist, wildlife biologist) should determine the specific recommendations or requirements of the particular school, licensing or certifying agency for science and mathematics coursework and complete the recommended or required coursework. A program of study tailored to meet specific recommendations and/or requirements for science and mathematics coursework then will be developed for the major in consultation with his or her Faculty Advisor. In general, the following courses or their equivalents frequently are recommended or required:

Calculus I, II (MA 303, 304)

Physics (PY 301, 302)

Organic Chemistry (CH 311, 312)

Biochemistry (BI 410 *or* CH 413)

5. A minor is required. 18 semester hours

6. **GENERAL ELECTIVES** 16 semester hours ____ _

7. **TOTAL HOURS FOR GRADUATION** 128 SEMESTER HOURS

8. **Pre-assessment and exit examinations:** To comply with Southern Association of Colleges and Schools (SACS) accreditation standards, the Department of Biology administers both pre-assessment and exit examinations to its majors. The examinations serve a four-fold purpose:
- (1) to assess preparedness for taking certain junior or senior level biology courses;
 - (2) to establish a benchmark for assessing knowledge gained as a result of completing the biology major at ASU;
 - (3) to assess preparedness for graduate study in biology or for admission to professional school; and
 - (4) to assess preparedness for a career as a biologist.

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examinations. The pre-assessment examination is designed to cover topics that usually are presented in an introductory biology sequence (e.g., a two semester sequence - Principles of Biology I, II). Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Zoology. The examinations are designed to be completed in 60 minutes. The pre-assessment examination is administered during the first term of attendance at Athens State University; the exit examination is administered during the term at the end of which the major expects to graduate.

BIOLOGY MINOR

A minor requires completion of a minimum of 18 semester hours of biology coursework, including a minimum of 6 semester hours of upper division coursework which must be taken at Athens State University.

The minor must include the following courses or their approved equivalents:

Principles of Biology I, II	8 semester hours
Total hours required for minor	18 semester hours

MARINE SCIENCE MINOR

A Marine Science minor requires completion of 18 semester hours of marine science and/or biology coursework, at least 12 semester hours of which must be taken at Dauphin Island Sea Lab.

The minor must include the following courses or their approved equivalents:

Principles of Biology I, II	8 semester hours
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MARINE ENVIRONMENTAL SCIENCES CONSORTIUM

Athens State University is a member of the Marine Environmental Sciences Consortium, based at Dauphin Island, Alabama. This affiliation offers Athens State University students an opportunity to take courses and conduct research in estuarine and marine environments. Courses offered during the summer at Dauphin Island Sea Lab may be taken for credit at Athens State University toward a major or minor in biology or a minor in marine science. Some of the course offerings cannot be taken for biology major or minor credit. All programs of study that involve marine science courses must be approved by the MESC liaison. A Dauphin Island Sea Lab Information Bulletin listing summer school course offerings can be obtained early in the spring semester from a member of the Athens State University Department of Biology. Active courses of undergraduate instruction sponsored by the Consortium include the following:

- | | |
|---|--|
| <ul style="list-style-type: none"> Marine Biology for Teachers Marine Biology Marine Invertebrate Zoology Marine Botany Marine Geology Marine Ecology Marine Vertebrate Zoology Coastal Ornithology | <ul style="list-style-type: none"> Marine Technical Methods Coastal Geomorphology Coastal Climatology Commercial Marine Fisheries Coastal Zone Management Dolphins and Whales Marsh Ecology Introduction to Oceanography |
|---|--|

CHEMISTRY (CH)

The chemistry major may earn either the Bachelor of Science degree or the Bachelor of Science in Education degree (See School of Education for degree requirements.) The Bachelor of Science degree is sufficient preparation for a career in industrial or governmental chemistry laboratories and graduate study. The Bachelor of Science in Education degree prepares the student for high school teaching. With proper electives, the chemistry major also may enter graduate degree programs in law, medical or dental school, environmental sciences, and related fields.

Bachelor of Science - Chemistry Major

MAJOR CODE: 40.0501

Program components for the Bachelor of Science degree with a major in Chemistry include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As a part of the General Studies Core Curriculum, students must complete a 6 semester hour sequence either in literature or in history.

III Natural Science and Mathematics 11 semester hours ____

Minimum of 3 semester hours in mathematics at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include lab experiences.

The chemistry major must complete

Calculus I (4 semester hours)

College Chemistry I (4 semester hours)

College Chemistry II (4 semester hours)

IV History, Social and Behavioral Sciences 12 semester hours ____

Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. *As a part of the General Studies Core Curriculum, students must complete a 6 semester hour sequence either in literature or in history.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

Calculus II (4 semester hours)

General Physics w/Calculus I (4 semester hours)

General Physics w/Calculus II (4 semester hours)

General electives (11 semester hours)

TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**

Pre-calculus Trigonometry* (3 semester hours)

Calculus III (3 semester hours)

CH 311,312 Organic Chemistry I, II 8 semester hours ____

CH 314 Polymer Science** 4 semester hours ____

CH 324 Analytical Chemistry 4 semester hours ____

CH 330 Environmental Chemistry** 3 semester hours ____

CH 410 Instrumental Analysis 3 semester hours ____

CH 410L Instrumental Analysis Lab or

CH 461 Directed Study/Research in Chemistry 1 semester hour ____

CH 420 Intermediate Inorganic Chemistry 3 semester hours ____

CH 430 Physical Chemistry I 5 semester hours ____

CH 431 Physical Chemistry II 4 semester hours ____

*If Pre-calculus algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete pre-calculus trigonometry (3 semester hours). Completion of pre-calculus algebra and trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Professional Courses requirement for trigonometry.

**The major who plans to attend medical school or health related professional (e.g., veterinary, chiropractic, osteopathic, pharmacal) schools may substitute CH 413 Biochemistry for either CH 314 or CH 330.

TOTAL PROFESSIONAL HOURS: 35 SEMESTER HOURS

4. The chemistry major must complete a minimum of 24 semester hours of upper division 300/44 level chemistry coursework at Athens State University. For those majors who plan to attend graduate, medical, or other professional school, the following courses are recommended:

Introduction to Information Systems or Microcomputer Applications

CH 324 Analytical Chemistry

CH 413 Biochemistry

MA 421 Differential Equations

5. A minor is not required.

6. **GENERAL ELECTIVES:** 29 semester hours ____

7. **TOTAL HOURS FOR GRADUATION** 128 semester hours

8. **Pre-assessment and Exit Examinations:** During the first term of enrollment at Athens State, the chemistry major must complete a pre-assessment examination. During the final term of enrollment at Athens State, the chemistry major must complete the major field achievement examination for chemistry.

Chemistry Minor

A minor in Chemistry requires 20 semester hours of chemistry coursework including a minimum of 9 semester hours of upper division coursework which must be completed at Athens State University.

College Chemistry I, II or

CH 303, 304, 305 8 semester hours

Upper Level 300/400 Chemistry courses to be determined by Chemistry Faculty Advisor 12 semester hours

TOTAL HOURS REQUIRED FOR MINOR: 20 semester hours

COMPUTER SCIENCE (CS)

The Department of Computer Science sponsors courses of study leading to a Bachelor of Science degree with a major in Computer Science (CS) or with a major in Computer Science - Computer Information Systems (CIS) option. The Department also sponsors minors in both Computer Science and Computer Information Systems, a concentration of coursework leading to a Bachelor of Science degree with a major in Science Management, and a computer networking (CN) certification program.

CS and CIS curricula emphasize structured programming, problem solving, and software engineering, and require significant hands-on experience using hardware and software resources available in state-of-the-art computer laboratories maintained by the Department. To ensure up-to-date content, CS and CIS curricula are continually undergoing revision. Complementing the department's full-time faculty, several highly qualified, practicing, computer professionals serve as adjunct faculty. In addition to teaching, the adjunct faculty assist full-time faculty to revise courses and to design courses of study that are responsive to the dynamic external computer science environment—the demands of business, industry, government, and research organizations.

The CS curriculum is designed to prepare students for the job market and/or for graduate school. With regard to the student's immediate objective—to analyze problems and design software solutions as part of a software development team in industry, government, and/or a research organization, or to meet admission requirements of graduate programs in Computer Science—approved electives should be chosen carefully.

The CIS curriculum focuses on problem solving in a business environment. The goal of this curriculum is to prepare the student for the job market as a technically oriented member of a data processing management team.

The Computer Networking (CN) curriculum, comprised by eight courses (see Course Descriptions), is approved by the National Association of Communication Systems Engineers (NACSE), a non-profit, vendor neutral association of Information Science and Information Technology professionals. The student who successfully completes CN 301 Networking Fundamentals and CN 302 Local Area Networks can certify as a NACSE Network Technician (NNT); the student who successfully completes six CN courses can certify as an Associate Network Specialist (NANS); the student who successfully completes all eight courses can certify as a Senior Network Specialist (NSNS).

Regarding work-based academic credit for CS and/or CIS courses, when the work experience has been evaluated and accepted as appropriate, a written examination covering the content area of the course(s) will be administered by the Department. If a passing grade is earned, academic credit will be awarded. Work-based academic credit will not be awarded for any CN course.

The Computer Science Department imposes the following requirements and restrictions on accepting computer science courses from other institutions:

- No RPG or computer applications courses will be accepted.
- Not more than 3 semester hours of FORTRAN will be accepted.
- Introduction to Information Systems and Basic Programming will not be accepted as electives.
- “System Analysis and Design” courses cannot be substituted for CS 451 or CS 452.
- “Work-based experience” credit cannot be substituted for CS 451 or CS 452.

Bachelor of Science - Computer Science Major
MAJOR CODE: 11.0101A

Program components for the Bachelor of Science degree with a major in Computer Science include:

1. Applicable general university requirements.
2. **GENERAL STUDIES CURRICULUM CORE:**
 - I. **Written Composition** 6 semester hours ____
 - II. **Humanities and Fine Arts** 12 semester hours ____
Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
 - III. **Natural Science and Mathematics** 11 semester hours ____
Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher, and 8 semester hours in the natural sciences which must include laboratory experiences.
 - IV. **History, Social and Behavioral Sciences** 12 semester hours ____
Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE HOURS: 41 Semester Hours

- V. **PRE-PROFESSIONAL COURSES.**
*Precalculus Trigonometry or
Pre-calculus Algebra and Trigonometry (3-4 semester hours)
Calculus I (4 semester hours)
Calculus II (4 semester hours)
**CIS 221 Pascal Programming or
CIS 251 C Programming or
CIS 292 Ada Programming (3 semester hours)
***CIS 285 Object-oriented Programming (3 semester hours)
General electives (5-6 semester hours)

*If Pre-calculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Pre-calculus Trigonometry (3 semester hours). Completion of Pre-calculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for Trigonometry.

**Will be credited as being substantially equivalent to CS 312 Computer Programming I (Pascal I), which course is pre-requisite to CS 314 Computer Programming II (Pascall II).

***Will be credited as being substantially equivalent to CS 417 Object Oriented Applications.
TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. **PROFESSIONAL COURSES:**

Linear Algebra or

MA 310 Matrices and Linear Algebra (3 semester hours)

MA 308 Discrete Mathematics 3 semester hours ____

MA 320 Modern Algebra 3 semester hours ____

Two of the following: 6 semester hours ____

MA 421 Differential Equations

MA 423 Numerical Analysis

MA 430 Theory of Statistics and Probability I

CS 309 Introduction to Digital Logic Design 3 semester hours ____

CS 309L Digital Design Lab 1 semester hour ____

CS 314 Computer Programming II 3 semester hours ____

CS 372 Data Structures 3 semester hours ____

CS 409 Computer Organization and Assembly Language Programming 3 semester hours ____

CS 414 Programming Language 3 semester hours ____

CS 415 Computer Systems Software 3 semester hours ____

CS 417 Object Oriented Applications 3 semester hours ____

CS 451 Software Engineering 3 semester hours ____

CS 452 Senior Software Engineering Project 4 semester hours ____

CS 472 Data Structures and Algorithm Analysis 3 semester hours ____

Upper Level 300/400 Computer Science Electives* 6 semester hours ____

*Any computer science (CS), computer information systems (CIS), or computer networking (CN) course to be used as an upper level computer science elective must have prior approval of the student's Faculty Advisor.

TOTAL PROFESSIONAL HOURS 50 SEMESTER HOURS

4. The Computer Science major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at Athens State University. At least 6 semester hours of CS, CIS, or CN electives must be completed at Athens State University.

5. A minor is not required.

6. **GENERAL ELECTIVES 14 Semester Hours** ____

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

8. **Pre-assessment and Exit Examinations:**

The Department of Computer Science requires all CS majors to complete both an entrance and an exit examination. Used to place the student in the appropriate initial course in the CS or CIS curriculum, the **entrance examination** is developed by the Department: this examination will be graded locally and the results known immediately. Used to assess the CS and CIS programs of study, the **exit examination** is a nationally recognized and normed examination. For a CS major to graduate from Athens State University, the exit examination must be completed; however, the result of this examination is not a criterion for graduation.

Computer Science Minor

A minor in Computer Science requires 22 semester hours distributed in the following way:

- * MA 308 Discrete Mathematics 3 semester hours
- CS 309 Introduction to Digital Logic Design 3 semester hours
- CS 309L Digital Design Lab 1 semester hour
- CS 314 Computer Programming II (Pascal II) 3 semester hours
- CS 372 Data Structures 3 semester hours
- CS 409 Computer Organization and Assembly Language Programming 3 semester hours
- CS 414 Programming Language 3 semester hours
- ** Computer Science Elective 3 semester hours
- TOTAL HOURS IN MINOR: 22 semester hours**

*Math majors may substitute CS 330 Scientific Programming for MA 308 only if MA 308 has been completed as an ... elective in the mathematics major.

**The following CIS courses may be taken for elective credit for a CS minor: CIS 420 or CIS 440.

Other CIS courses will not apply towards a CS minor.

Bachelor of Science - Computer Science Major
(Computer Information Systems Option)
MAJOR CODE: 11.0101B

Program components for the Bachelor of Science degree with a major in Computer Science - Computer Information Systems Option) include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

- I Written Composition** 6 semester hours ____
- II Humanities and Fine Arts** 12 semester hours ____
- Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
- III Natural Science and Mathematics** 11 semester hours ____
- Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher, and 8 semester hours in the natural sciences which must include laboratory experiences.
- IV History, Social and Behavioral Sciences** 12 semester hours ____
- Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE HOURS: 41 Semester Hours

V PRE-PROFESSIONAL COURSES:

General electives 23 semester hours

TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**

- FIN 350 Managerial Finance 3 semester hours ____
- MG 349 Human Resources Management 3 semester hours ____
- MG 353 Project Management 3 semester hours ____
- MG 405 Production Operations Management 3 semester hours ____
- MK 331 Marketing Principles 3 semester hours ____
- MA 308 Discrete Mathematics 3 semester hours ____
- CS 314 Computer Programming II 3 semester hours ____
- CIS 325 Decision Support Systems 3 semester hours ____
- CIS 365 Visual Application Development 3 semester hours ____
- CS 417 Object Oriented Applications 3 semester hours ____
- CIS 420 Business Applications Programming 3 semester hours ____
- CIS 440 Database Systems 3 semester hours ____
- CIS 450 Human-Computer Interaction 3 semester hours ____
- CS 451 Software Engineering 3 semester hours ____
- CS 452 Software Engineering Project 4 semester hours ____
- Upper Level Computer Science Electives* 6 semester hours ____

*Any computer science (CS), computer information systems (CIS), or computer networking (CN) course to be used as an upper level computer science elective must have prior approval of the student's Faculty Advisor.

TOTAL PROFESSIONAL HOURS **52 SEMESTER HOURS**

4. A minor is not required.
5. **GENERAL ELECTIVES** 12 Semester Hours ____ _
6. **TOTAL HOURS FOR GRADUATION** 128 SEMESTER HOURS
7. **Pre-assessment and Exit Examination:**
 The Department of Computer Science requires all CS majors to complete both an entrance and an exit examination. Used to place the student in the appropriate initial course in the CS or CIS curriculum, the **entrance examination** is developed by the Department: this examination will be graded locally and the results known immediately. Used to assess the CS and CIS programs of study, the **exit examination** is a nationally recognized and normed examination. For a CS major to graduate from Athens State University, the exit examination must be completed; however, the result of this examination is not a criterion for graduation.

Computer Information Systems Minor

A minor in Computer Information Systems requires 21 semester hours distributed in the following way:

MA 308 Discrete Mathematics	3 semester hours
CS 312 Computer Programming I (Pascal I)	3 semester hours
CS 314 Computer Programming II (Pascal II)	3 semester hours
CIS 325 Decision Support Systems	3 semester hours
CIS 365 Visual Application Development	3 semester hours
Computer Science or Computer Information Systems electives	6 semester hours
TOTAL HOURS IN MINOR:	21 semester hours

ENGLISH (EH)

English as an academic field encompasses both theory and practice in the reading and interpreting of literature as well as in written and oral communication. All courses are designed to engage the intelligence, excite the imagination, improve scholarship, and increase the enjoyment of literature and language. Appropriate transferred courses may be substituted, when so evaluated, for listed courses. A Bachelor of Science in Education degree is offered in Language Arts (See School of Education for degree requirements).

Bachelor of Arts - English Major

MAJOR CODE: 23.0101

Program components for the Bachelor of Arts degree with a major in English include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____
Minimum of 6 semester hour sequence in literature, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theatre, and dance.

III Natural Sciences and Mathematics 11 semester hours ____
At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____
Minimum of 3 semester hours in history and at least 9 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE **41 semester hours**

V PRE-PROFESSIONAL COURSES:

Electives chosen from Areas I-IV 12 semester hours ____

General electives 11 semester hours ____

TOTAL GENERAL STUDIES CURRICULUM CORE **64 SEMESTER HOURS**

3. **PROFESSIONAL COURSES:**

EH 312 Dramatic Literature 3 semester hours ____

EH 325 Myth, Ritual and Culture 3 semester hours ____

EH 414 History of the English Language 3 semester hours ____

EH 431 Poetry and Poetics 3 semester hours ____

EH 425 Shakespeare: The Sonnets and the Plays 3 semester hours ____

EH 433 Fiction 3 semester hours ____

EH 452 Chaucer and Medieval Literature 3 semester hours ____

Electives in English	18 semester hours	___	___	___	___
Choose from the following courses:					
EH 304 Southern Literature					
EH 307 Major Authors: Ancient to Renaissance					
EH 308 Major Authors: Renaissance to Modern					
EH 314 Nineteenth Century British Studies					
EH 316 American Masterpieces					
EH/RE 416 Interpreting the Text					
EH 430 Literature: The Healing Art					
EH 440 African-American Studies					
EH 450 Renaissance Literature 1550-1680					
EH 451 Restoration/Eighteenth Century					
TOTAL PROFESSIONAL HOURS:	39 SEMESTER HOURS				
4. A minor is required.	18 Semester Hours				
5. GENERAL ELECTIVES	7 Semester Hours	___	___	___	
6. TOTAL HOURS FOR GRADUATION:	128 SEMESTER HOURS				

English Minor

A minor in English consists of 21 semester hours of English coursework of which 12 semester hours must be taken at Athens State University including the following courses or their equivalents:

EH 312 Dramatic Literature	3 semester hours
EH 425 Shakespeare: The Sonnets and the Plays	3 semester hours
EH 431 Poetry and Poetics	3 semester hours
Choose from the following courses	12 semester hours
EH 304 Southern Literature	
EH 307 Major Authors: Ancient to Renaissance	
EH 308 Major Authors: Renaissance to Modern	
EH 314 Nineteenth Century British Studies	
EH 316 American Masterpieces	
EH 325 Myth, Ritual and Culture	
EH 413 Composition for Teachers	
EH/RE 416 Interpreting the Text	
EH 430 Literature: The Healing Art	
EH 433 Fiction	
EH 440 African-American Studies	
EH 450 Renaissance Literature 1550-1680	
EH 451 Restoration/Eighteenth Century	
EH 452 Chaucer and Medieval Literature	
TOTAL	21 semester hours

HEALTH SCIENCE

Bachelor of Science - Health Science Major

MAJOR CODE: 51.9999

Program components for the Bachelor of Science degree with a major in Health Science include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

III Natural Science and Mathematics 11 semester hours ____

Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences.

The Health Science major must complete

Survey of Physics or equivalent course (3-4 semester hours)

IV History, Social and Behavioral Sciences 12 semester hours ____

Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. *As a part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

General Electives (23 semester hours)

TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**

The Health Science major culminates in a baccalaureate degree for nursing professionals, or for students who are certified in a para-medical field such as dental hygiene, medical records, medical technology, health physics, or animal health technology. Professional course requirements for the major may be satisfied by completion of Area V and Professional Course requirements indicated for one of the following Bachelor of Science in Education degree programs: Biology, Chemistry, Comprehensive Science, or Mathematics. Otherwise, professional course requirements may be satisfied by completion of a minimum of 24 semester hours of Faculty Advisor approved coursework from one of the following departments: Biology, Chemistry, Physics, Mathematics, Computer Science. The student seeking a position involving supervision of personnel may wish to consider the following management option:

Microcomputer Applications (3 semester hours)
Legal Environment of Business (3 semester hours)
Speech or Business Communication (3 semester hours)
Principles of Management (3 semester hours)
Human Resource Management (3 semester hours)
MG 375 Organizational Behavior 3 semester hours ____
PS 368 Industrial and Personnel Psychology 3 semester hours ____
SO 304 Sociology of Work or
Faculty Advisor approved School of Business elective 3 semester hours ____
TOTAL PROFESSIONAL HOURS: 24 SEMESTER HOURS

4. **The Health Science major must complete 64 semester hours of coursework at a baccalaureate degree-granting institution, 42 semester hours of which must be upper division 300/400 level coursework, and 33 of the last 39 semester hours of which must be completed at Athens State University.**

5. A minor is not required.

6. **GENERAL ELECTIVES 40 Semester Hours** ____ ____ ____ ____
____ ____ ____ ____

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

HISTORY (HY)

The history faculty seek to develop in its students an appreciation of our cultural heritage, an understanding of the world in which we live, and an awareness of the future. It strives to develop in its majors the research abilities necessary for graduate work. Through courses of interest to the non-major, it makes the student aware of the cultural legacy from Europe, England, and the United States and affords an opportunity to study other areas of the world.

Bachelor of Arts - History Major

MAJOR CODE: 45.0801

Program components for the Bachelor of Arts degree with a major in History include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____ ____

II Humanities and Fine Arts 12 semester hours ____ ____ ____
Minimum of 3 semester hours in literature, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance.

III Natural Sciences and Mathematics 11 semester hours ____ ____ ____
At least 3 semester hours in pre-calculus algebra or equivalent, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____ ____ ____
Minimum of 6 semester hour sequence in history and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE **41 semester hours**

V PRE-PROFESSIONAL COURSES:

The history major should complete a second 6 semester hour sequence in history in addition to the history sequence satisfying the Area IV requirement. For example, the student taking 6 semester hours of World History under Area IV, also should complete a 6 semester hour sequence in History of Western Civilization or a 6 semester hour sequence in United States History. 6 semester hours ____ ____

Electives in History 6 semester hours ____ ____

Free Electives. 11 semester hours ____ ____

TOTAL PRE-PROFESSIONAL HOURS: **23 semester hours**

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: **64 semester hours**

3. **PROFESSIONAL COURSES:**
300 and 400 level courses:
HY 300 Historiography 3 semester hours ____
American History 12 semester hours ____
European History 12 semester hours ____
Non-Western History 6 semester hours ____
TOTAL PROFESSIONAL HOURS: 33 semester hours
4. The student should realize that for graduate school a reading knowledge of one or two languages generally is required.
5. A minor is required. 18 semester hours
6. **GENERAL ELECTIVES 13 Semester Hours ____**
7. **TOTAL HOURS FOR GRADUATION 128 semester hours**

HISTORY MINOR

History is an approved area of study for a minor. The student must complete at least 18 semester hours of history distributed as follows:

American History	6 semester hours
European History	6 semester hours
Non-Western History	3 semester hours
History Elective	3 semester hours

INSTRUMENTATION (IT)

The Instrumentation program prepares graduates for careers as instrumentation technologists in such diverse areas as data acquisition, process control, system integration, installation, and repair for laboratories and medical facilities, as well as for industries such as power generation, chemical processing, pulp and paper processing, electronic fabrication, and heavy manufacturing.

The program is intended as a terminal degree program for students who do not intend to pursue an education beyond the baccalaureate level. A student who wishes to pursue a program which offers a greater level of preparation and which serves as an entry point for graduate study should consider the Bachelor of Science in Physics or Instrumentation Physics.

Bachelor of Science - Instrumentation Major

MAJOR CODE: 41.9999

Program components for the Bachelor of Science degree with a major in Instrumentation include:

1. Applicable general university requirements.
 2. **GENERAL STUDIES CURRICULUM CORE:**
 - I **Written Composition** 6 semester hours ____
 - II **Humanities and Fine Arts** 12 semester hours ____
Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As part of the **General Studies Curriculum Core**, students must complete a 6 semester hour sequence either in literature or in history.
 - III **Natural Science and Mathematics** 11 semester hours ____
Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher, and 8 semester hours in the natural sciences which must include laboratory experiences.

The Instrumentation major must complete
Pre-calculus Trigonometry or
Pre-calculus Algebra and Trigonometry (3-4 semester hours)
General Physics with Calculus I (4 semester hours)
General Physics with Calculus II (4 semester hours)
 - IV **History, Social and Behavioral Sciences** 12 semester hours ____
Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.
*As a part of the **General Studies Curriculum Core**, students must complete a 6 semester hour sequence either in literature or history.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

 - V **PRE-PROFESSIONAL COURSES:**
Calculus I (3-4 semester hours)
General electives (19-20) semester hours)

General electives may be fulfilled by completion of introductory electronics courses (e.g., AC and DC circuits, semiconductor electronics, analog electronics, digital electronics, microprocessors, trouble shooting and repair).
TOTAL PRE-PROFESSIONAL hours: 23 semester hours
- TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS:** 64 Semester hours

3. **PROFESSIONAL COURSES:**

MA 304 Calculus II	3 semester hours	___
CH 301 Introductory Chemistry	3 semester hours	___
PY 303 Calculus Physics III (Modern Physics)	4 semester hours	___
IT 306 Interfacing Techniques	4 semester hours	___
IT 316 Applied Digital Design	4 semester hours	___
IT 320 Math Methods for Instrumentation	4 semester hours	___
IT 400 Advanced Analog Instrumentation	4 semester hours	___
IT 401 Applied Data Communications	4 semester hours	___
IT 420 Electro-Optics	4 semester hours	___
IT 425 Introduction to Robotics	4 semester hours	___
IT 440 Process Control Instrumentation	4 semester hours	___
IT 441 Computer Instrumentation	4 semester hours	___
Electives (Faculty Advisor approved courses in instrumentation, physics, mathematics or computer science)	8 semester hours	___
TOTAL PROFESSIONAL HOURS:	54 SEMESTER HOURS	
4. The Instrumentation major must complete a minimum of 15 semester hours of upper division 300/400 level instrumentation coursework at Athens State University.
5. A minor is not required.
6. **GENERAL ELECTIVES** 10 semester hours ___ _ _ _
7. **TOTAL HOURS FOR GRADUATION** 128 semester hours

Instrumentation Minor

The minor must include the following courses or their approved equivalents of which at least 9 semester hours must be taken at Athens State University.

Introductory Level Electronics Courses (Should include background in AC and DC Circuits, Semiconductor Electronics, Analog and Digital Electronics, Microprocessors, and Troubleshooting)	15 semester hours
Calculus I, II (MA 303, 304)	8 semester hours
IT 306 Interfacing Techniques	4 semester hours
IT 316 Applied Digital Design	4 semester hours
IT Electives	8 semester hours
TOTAL HOURS REQUIRED FOR MINOR:	39 semester hours

INSTRUMENTATION PHYSICS

The Instrumentation Physics program prepares the graduate for a career as a research laboratory physicist, with special emphasis on experimental automation, for entry into a number of experimental fields including engineering, medicine, medical research, and for graduate degree programs in physics and related disciplines.

Bachelor of Science - Instrumentation Physics

MAJOR CODE: 40.0801B

Program requirements for the Bachelor of Science degree with a major in Instrumentation Physics include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Science and Mathematics 11 semester hours ____

Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher, and 8 semester hours in the natural sciences which must include laboratory experiences.

The Physics major must complete

Calculus I (4 semester hours)

General Physics with Calculus I (4 semester hours)

General Physics with Calculus II (4 semester hours)

IV History, Social and Behavioral Sciences 12 semester hours ____

Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As a part of the General Studies Curriculum, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

General electives (23 semester hours)

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**

*Pre-calculus Trigonometry or Pre-calculus Algebra and Trigonometry (3-4 semester hourS)	
Calculus II (4 semester hours)	
Calculus III (4 semester hours)	
College Chemistry I (4 semester hours)	
College Chemistry II	4 semester hours ____
Linear Algebra or MA 310 Matrices and Linear Algebra or	
MA 316 Vector Analysis or	
MA 401 Complex Analysis or	
MA 428 Partial Differential Equations (3 semester hours)	
MA 421 Differential Equations	3 semester hours ____
PY 303 Calculus Physics III(Modern Physics)	4 semester hours ____
PY 306 Thermal Physics	4 semester hours ____
PY 309,310 Mechanics I, II	6 semester hours ____
PY 312,412 Electricity and Magnetism I, II	6 semester hours ____
PY 415 Introductory Quantum Physics	3 semester hours ____
IT 306 Interfacing Techniques	4 semester hours ____
IT 316 Applied Digital Design	4 semester hours ____
IT 425 Introduction to Robotics	4 semester hours ____
IT 440 Process Control Instrumentation	4 semester hours ____
Upper Level 300/400 instrumentation or physics elective	3 semester hours ____
TOTAL PROFESSIONAL HOURS:	45 SEMESTER HOURS

*If pre-calculus algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Pre-calculus Trigonometry (3 semester hours). Completion of Pre-calculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for trigonometry.

4. The Instrumentation Physics major must complete a minimum of 15 semester hours of upper division 300/400 level instrumentation or physics coursework at Athens State University.

5. A minor is not required.

6. **GENERALECTIVES** 19 semester hours ____

7. **TOTAL HOURS FOR GRADUATION** **124 SEMESTER HOURS**

JUSTICE STUDIES (JS)

The Justice Studies program enhances student opportunities in the criminal justice field. These opportunities include professional roles in law enforcement and correctional administration, security positions in private industry, judicial administration, and probation and parole.

Students pursuing degrees in Justice Studies will be able to apply knowledge attained about criminal law and processes, theoretical concepts of crime causation and control, and will acquire competency in understanding research regarding management practices and policymaking within criminal justice agencies. Justice Studies students will have the opportunity to apply technical knowledge of criminal justice, and research skills in an internship which allows for varied learning experiences in actual agency settings.

Bachelor of Science - Justice Studies Major

MAJOR CODE: 43.0104

Program components of the Bachelor of Science degree with a major in Justice Studies include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

- I Written Composition** 6 semester hours __ __
- II Humanities and Fine Arts** 12 semester hours __ __ __ __
Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
- III Natural Sciences and Mathematics** 11 semester hours __ __ __ __
At least 3 semester hours in pre-calculus algebra or a higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.
- IV History, Social and Behavioral Sciences** 12 semester hours __ __ __ __
At least 3 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE 41 semester hours

V PRE-PROFESSIONAL COURSES:

- Introduction to Criminal Justice 3 semester hours __
Law Enforcement or Policing (3 semester hours) or
Corrections (3 semester hours) or
Security (3 semester hours)
Computer Applications (3 semester hours) or
Computer Literacy (3 semester hours)
General electives 14 semester hours __ __ __ __
TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL COURE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**
 *Speech or Oral Communications (3 semester hours)
 JS 301 Criminal Justice Process 3 semester hours ____
 JS/PO 302 Criminal Law 3 semester hours ____
 JS 400 Law Enforcement in America 3 semester hours ____
 JS/SO 401 Adult Corrections 3 semester hours ____
 JS/SO 452 Advanced Criminology 3 semester hours ____
 PO 303 Comparative State and Local Government 3 semester hours ____
 PO/PS/SO 342 Methods of Behavioral Science Research 3 semester hours ____
 MG/PSA/PO 377 Public Administration 3 semester hours ____
 JS/PO/PSA 455 Public Administration Ethics 3 semester hours ____
 JS/PSA 465 Senior Research Project 4 semester hours ____
 Justice Studies Elective 3 semester hours ____
TOTAL PROFESSIONAL HOURS: **34 semester hours**

*Students are encouraged to take this course in Areas II or V.

4. A minimum of 27 semester hours of upper division JS/PO/PSA coursework must be completed at Athens State University.
5. A minor is not required.
6. **GENERAL ELECTIVES** 30 Semester Hours ____

VII TOTAL HOURS FOR GRADUATION **128 semester hours**

Justice Studies Minor

A minor in Justice Studies requires the completion of eighteen semester hours of coursework to consist of the following:

JS 301 Criminal Justice Process	3 semester hours ____
JS 302 Criminal Law	3 semester hours ____
JS 452 Advanced Criminology	3 semester hours ____
Justice Studies electives	9 semester hours ____

LIBERAL STUDIES

The Liberal Studies program is designed to benefit students who seek progression and mobility in their educational and career goals. The program provides maximum flexibility in course selection while allowing the student to concentrate on subject matter of particular relevance.

The Liberal Studies program also is intended for those students who wish to enrich and satisfy their personal goals through non-specialized collegiate study.

While no specified major courses are required, the student must comply with all requirements for the Bachelor of Science degree and applicable university requirements (See General University Requirements).

The following limitations apply to the Bachelor of Science in Liberal Studies:

- (a) A minor is not permitted in the Liberal Studies program.
- (b) Liberal Studies may not be considered as a minor to any other degree program.
- (c) Liberal Studies may not be considered as a second major with any other degree program.
- (d) The Bachelor of Science in Liberal Studies degree will be awarded only to students who have not declared a major in another program of study.
- (e) The Bachelor of Science in Liberal Studies degree will not be awarded concurrently with any other major.

Bachelor of Science in Liberal Studies

MAJOR CODE: 24.0101

Program components for the Bachelor of Science degree with a major in Liberal Studies include:

1. Applicable general university requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I Written Composition..... 6 semester hours

II Humanities and Fine Arts 12 semester hours

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in pre-calculus algebra or equivalent, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV. History, Social and Behavioral Sciences 12 semester hours

At least 3 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE 41 semester hours

V. PRE-PROFESSIONAL AND ELECTIVE COURSES:

General Electives at the 100 and 200 level 23 semester hours _____

3. **PROFESSIONAL COURSES:**
General electives senior college 22 semester hours
General electives at the 300 and 400 level 42 semester hours
4. **TOTAL HOURS FOR DEGREE 128 SEMESTER HOURS**

MATHEMATICS (MA)

The Department of Mathematics offers majors leading to the Bachelor of Science and the Bachelor of Science in Education (See School of Education for degree requirements) degrees which will prepare the graduate for scientific endeavors requiring detailed and exact scientific analysis, or for a rewarding career as a high school and/or middle school mathematics teacher. A mathematics major combined with a Computer Science minor will open many career opportunities for the graduate.

Bachelor of Science - Mathematics Major MAJOR CODE: 27.0101

Program components for the Bachelor of Science degree with a major in Mathematics include:

1. Applicable general university requirements.

3. **GENERAL STUDIES CURRICULUM CORE:**

- | | | | |
|------------|---|-------------------|-----|
| I | Written Composition | 6 semester hour | ___ |
| II | Humanities and Fine Arts | 12 semester hours | ___ |
| | Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history. | | |
| III | Natural Science and Mathematics | 11 semester hours | ___ |
| | Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher, and 8 semester hours in the natural sciences which must include laboratory experiences. | | |
| | The Mathematics major must complete | | |
| | *Pre-calculus Trigonometry (3 semester hours) or | | |
| | Pre-calculus Algebra and Trigonometry (4 semester hours) | | |
| | *Prerequisite for Calculus I Area V requirement. | | |
| IV | History, Social and Behavioral Sciences | 12 semester hours | ___ |
| | Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history. | | |

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V. PRE-PROFESSIONAL COURSES:

- | | | |
|--|--------------------------|-----|
| Calculus I | 4 semester hours | ___ |
| Calculus II | 4 semester hours | ___ |
| Calculus III | 4 semester hours | ___ |
| General electives | 11 semester hours | ___ |
| TOTAL PRE-PROFESSIONAL HOURS: | 23 semester hours | |

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 Semester hours

3. **PROFESSIONAL COURSES:**

- | | | |
|---|------------------|-----|
| Linear Algebra or | | |
| MA 310 Matrices and Linear Algebra (3 semester hours) | | |
| MA 320 Modern Algebra | 3 semester hours | ___ |
| MA 421 Differential Equations | 3 semester hours | ___ |
| MA 303L Calculus I Lab | 1 semester hour | ___ |

MA 304L Calculus II Lab	1 semester hour	___
MA 305L Calculus III Lab	1 semester hour	___
MA 306L Calculus IV Lab	1 semester hour	___
Plus five mathematics electives from the following:.....	15 semester hours	___
MA 308 Discrete Mathematics		___
MA 316 Vector Analysis		___
* MA 401 Complex Analysis		
MA 423 Numerical Analysis		
MA 428 Partial Differential Equations		
MA 430 Theory of Statistics and Probability I		
MA 431 Theory of Statistics and Probability II		
** MA 441 Special Topics in Mathematics		
MA 445 Mathematical Modeling and Simulation		
* MA 450 Advanced Calculus I		
* MA 451 Advanced Calculus II		
* MA 452 Real Analysis		

TOTAL PROFESSIONAL HOURS: 25 semester hours

*Recommended if planning to attend graduate school.

**Must be approved by Faculty Advisor.

4. The Mathematics major must complete a minimum of 12 semester hours of upper division 300/400 level mathematics coursework at Athens State University. To be used toward completing a Mathematics major at Athens State, any mathematics course transferred to Athens State must be a grade of C or higher. Mathematics majors must maintain a 2.5 G.P.A. in mathematics courses taken at Athens State University.

5. A minor is required. 18 semester hours

A minimum 18 semester hour Faculty Advisor approved minor is required. The mathematics major who is minoring in computer science may use MA 308 Discrete Mathematics either as an upper division math elective or as part of the minor, but not both.

6. **GENERAL ELECTIVES** 21 semester hours ___

7. **TOTAL HOURS FOR GRADUATION** 128 semester hours

8. **ASSESSMENT/EXIT EXAMS**

Assessment exams and an exit exam are required for all B.S. degree-seeking mathematics majors who enter ASU during 1996-1997 or thereafter. For most mathematics courses, an assessment exam will be administered by the instructor. The exit exam is administered by the Coordinator of Testing; he student should contact this office for policies, procedures, and times for the exam. Times for the exit exam also will be posted in the Math Lab, located in Waters Hall, Room 4; it is the student's responsibility to take the exit exam at one of the posted times. It is suggested that the exit exam be taken during the term prior to the student's last term. As a condition for graduation, a score of 60% or above is required on the exit exam. The exit exam covers algebra, trigonometry, the calculus sequence, modern algebra, linear algebra, and differential equations. The student may take the exit exam more than once.

Mathematics Minor

A minor in Mathematics requires 24 semester hours of mathematics including 9 semester hours of upper division coursework, at least 9 semester hours of which must be taken at Athens State University. The following courses must be included:

Calculus I, II, III, IV (MA 303, 304, 305, 306)	12 semester hours
Linear Algebra (MA 310)	3 semester hours
MA 421 Differential Equations	3 semester hours
Upper Division Electives	6 semester hours
TOTAL HOURS REQUIRED FOR MINOR	24 semester hours

PHYSICS (PY)

The Physics program prepares the graduate for a career as a research laboratory physicist, for entry into a number of related fields including engineering, medicine, medical research, geology/geophysics, instrumentation, and for graduate degree programs in physics and related disciplines.

Bachelor of Science - Physics Major

MAJOR CODE: 40.0801A

Program components for a Bachelor of Science degree with a major in Physics include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

III Natural Science and Mathematics 11 semester hours ____

Minimum of 3 semester hours in Mathematics at the pre-calculus algebra level or higher and 8 semester hours in the natural sciences which must include laboratory experiences.

The Physics major must complete

Calculus I (4 semester hours)

General Physics with Calculus I (4 semester hours)

General Physics with Calculus II (4 semester hours)

IV History, Social and Behavioral Sciences 12 semester hours ____

Minimum of 3 semester hours in history*, and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.

*As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES.

General electives (23 semester hours)

TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

PROFESSIONAL COURSES:

Pre-calculus Trigonometry or

Pre-calculus Algebra and Trigonometry* (3-4 semester hours)

Calculus II (4 semester hours)

Calculus III (4 semester hours)

College Chemistry I (4 semester hours)

College Chemistry II (4 semester hours)

Linear Algebra or MA 310 Matrices and Linear Algebra, or

MA 316 Vector Analysis, or

MA 401 Complex Analysis, or

MA 428 Partial Differential Equations (3 semester hours)

MA 421 Differential Equations 3 semester hours

PY 303	Calculus Physics III (Modern Physics)	4 semester hours
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PY 306 Thermal Physics	4 semester hours
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PY 309, 310 Mechanics I, II	6 semester hours
-----------------------------------	------------------

PY 312, 412 Electricity and Magnetism I, II	6 semester hours
---	------------------

PY 344 Principles of Optics	4 semester hours
-----------------------------------	------------------

PY 400 Mathematical Methods in Physics	3 semester hours
--	------------------

PY 415	Introductory Quantum Physics.....	3 semester hours
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PY 435 Senior Laboratory	3 semester hours
--------------------------------	------------------

Upper level 300/400 Physics elective(s) 6 semester hours

TOTAL PROFESSIONAL HOURS	42 semester hours
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*If Pre-calculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Pre-calculus Trigonometry (3 semester hours).

Completion of Pre-calculus Algebra and Trigonometry (4 semester hours) will satisfy both

the Area III mathematics requirement and the Area V requirement for trigonometry.

4. The Physics major must complete a minimum of 15 semester hours of upper division 300/400 level physics coursework at Athens State University.

5. A minor is **not** required. However, the Physics major is encouraged to complete a minor in mathematics.

- 6.
- GENERAL ELECTIVES**
- 22 Semester Hours ____ _

7. TOTAL HOURS FOR GRADUATION 128 semester hours

Physics Minor

A minor in Physics requires 24 semester hours of Physics coursework including 15 semester hours of upper division coursework, at least 9 semester hours of which must be taken at Athens State University. Strict adherence to course prerequisites must be observed.

The minor must include the following courses or their approved equivalents:

General Physics with Calculus I, II	8 semester hours
---	------------------

PY 303 Calculus Physics III (Modern Physics)	4 semester hours
--	------------------

Upper level Physics courses to be determined by Physics Faculty Advisor..... 12 semester hours

TOTAL HOURS REQUIRED FOR MINOR 24 semester hours

POLITICAL SCIENCE (PO)

Political Science prepares students for careers in law, teaching, and public administration. The Bachelor of Arts degree requires a minor in another field. The Bachelor of Science degree does not require a minor.

Bachelor of Arts - Political Science Major

MAJOR CODE: 45.1001A

Program components for the Bachelor of Arts degree with a major in Political Science include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 6 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours ____

At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____

At least 6 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE **41 semester hours**

V. PRE-PROFESSIONAL COURSES:

Introduction to Political Science 3 semester hours ____

Western Civilization 3 semester hours ____

American National Government 3 semester hours ____

State and Local Government or

Foreign National Government 3 semester hours ____

General electives 11 semester hours ____

TOTAL PRE-PROFESSIONAL HOURS: **23 semester hours**

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: **64 semester hours**

3. **PROFESSIONAL COURSES:**
PO 303 Comparative State and Local Government 3 semester hours____
PO 304 Problems of American Government 3 semester hours____
PO 307 American Constitutional Law or PO 364 Civil Liberties 3 semester hours____
PO 308 America and the World 3 semester hours____
PO 342 Methods of Behavioral Science Research 3 semester hours____
PO 351 Political Sociology 3 semester hours____
PO 377 Public Administration 3 semester hours____
PO 453 International Politics 3 semester hours____
PO 465 Senior Research Project 4 semester hours____
Electives in Political Science 9 semester hours____ _ _
TOTAL PROFESSIONAL HOURS: 37 semester hours
4. A minimum of 27 semester hours of upper division JS/PO/PSA coursework must be completed at Athens State University.
5. A Faculty Advisor approved minor is required. 18 Semester Hours
6. **GENERAL ELECTIVES** 9 Semester Hours____ _ _
7. **TOTAL HOURS FOR GRADUATION** 128 Semester hours

Bachelor of Science - Political Science Major

MAJOR CODE: 45.1001B

Program components for the Bachelor of Science degree with a major in Political Science include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____
Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours ____
At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____
At least 3 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

Introduction to Political Science 3 semester hours ____

Western Civilization 3 semester hours ____

American National Government 3 semester hours ____

State and Local Government or

Foreign National Government 3 semester hours ____

Western Civilization 3 semester hours ____

General electives 11 semester hours ____

TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**

PO 303 Comparative State and Local Government 3 semester hours ____

PO 304 Problems of American Government 3 semester hours ____

PO 307 American Constitutional Law or PO 364 Civil Liberties 3 semester hours ____

PO 308 America and the World 3 semester hours ____

PO 342 Methods of Behavioral Science Research 3 semester hours ____

PO 351 Political Sociology 3 semester hours ____

PO 377 Public Administration 3 semester hours ____

PO 453 International Politics 3 semester hours ____

PO 465 Senior Research Project 4 semester hours ____

Electives in Political Science 9 semester hours ____

TOTAL PROFESSIONAL HOURS: 37 semester hours

- | | | | | |
|-------------------------|-------------------|-----|-----|-----|
| GENERAL ELECTIVES | 27 semester hours | ___ | ___ | ___ |
| | | ___ | ___ | ___ |
| | | ___ | ___ | ___ |

Political Science Minor

The student seeking a minor in political science should complete eighteen semester hours in political science coursework to include:

- | | |
|--|------------------|
| American National Government or | |
| PO 304 Problems of American Government | 3 semester hours |
| PO 303 Comparative State and Local Government or PO 305 Alabama Government | 3 semester hours |
| PO 308 America and the World or PO 453 International Politics | 3 semester hours |
| Political Science Electives | 9 semester hours |

PSYCHOLOGY (PS)

Students in psychology are offered a wide variety of courses designed to provide the basic knowledge and skills which are considered to be the basic foundation of the field of psychology.

Students entering the program will be assigned a Faculty Advisor during the first term. The student may consult the list posted outside the departmental office to determine his/her Faculty Advisor. The student should then meet his/her Faculty Advisor as soon as possible to review requirements of his/her chosen major.

During the last term, the student will be required to take an exit examination in psychology. At the present time, no passing score is required, but the student is encouraged to do as well as possible to help determine how much they have gained from their program of study.

Bachelor of Arts - Psychology Major

MAJOR CODE: 42.0101A

This program is designed for the student who ultimately wants to earn an advanced graduate degree in psychology. The program emphasizes high academic achievement and mastery of research methodology, which should prepare the student for high scores on the GRE and admission to nationally recognized graduate programs in psychology. Before admission to this degree program, the student must have completed pre-calculus algebra (or a higher level math course). After admission, the student is encouraged to take statistics and experimental psychology as soon as possible and then participate in a supervised research project. The specific objectives of this degree are to

1. provide a knowledge base of psychology including major theories and research findings.
2. teach a variety of statistical, methodological, and critical thinking skills which are needed for psychological research.
3. instill an appreciation for the ethical principles governing the field of psychology.
4. help the student achieve the highest possible score on the Graduate Record Examination.
5. assist the student with application to nationally recognized graduate programs in psychology.

Program components for the Bachelor of Arts degree with a major in Psychology include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

- I Written Composition** 6 semester hours ____
- II Humanities and Fine Arts** 12 semester hours ____
- Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
- III Natural Sciences and Mathematics** 11 semester hours ____
- At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.
- IV History, Social and Behavioral Sciences** 12 semester hours ____
- At least 6 semester hours in history, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V. PRE-PROFESSIONAL COURSES:

General Psychology	3 semester hours	___
Electives in Psychology	6 semester hours	___
General electives	14 semester hours	___

TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. PROFESSIONAL COURSES:

PS 331 Social Psychology	3 semester hours	___
PS 332 Child Psychology or PS 334 Adolescent Psychology	3 semester hours	___
PS 336 Psychology of Learning or PS 410 History and Systems of Psychology	3 semester hours	___
PS 341 Statistics in Behavioral Science	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
PS 380 Experimental Psychology	4 semester hours	___
PS 406 Physiological Psychology	3 semester hours	___
PS 420 Cognitive Psychology	3 semester hours	___
Faculty Advisor approved Psychology electives	12 semester hours	___
TOTAL PROFESSIONAL HOURS:	37 SEMESTER HOURS	___

4. A Faculty Advisor approved minor is required. 18 semester hours

5. GENERAL ELECTIVES 9 Semester Hours ___ ___ ___

The student is encouraged to select electives which will prepare him/her to obtain the highest possible score on the Graduate Record Examination (GRE). Such courses would include geometry, additional literature courses, and science courses.

6. TOTAL HOURS FOR GRADUATION: 128 SEMESTER HOURS

Bachelor of Science - Psychology Major
MAJOR CODE: 42.0101B

This program is designed for the student who wants to major in psychology and have the freedom to select a broad range of electives. It provides a strong foundation in psychology and a solid general education background. The specific objectives of this degree program are to:

1. provide a knowledge base of psychology including major theories and research findings.
2. teach a variety of clinical skills which will be useful in applied settings.
3. instill an appreciation for the ethical principles governing the field of psychology.

Program components for the Bachelor of Science degree with a major in Psychology include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours __ __

II Humanities and Fine Arts 12 semester hours __ __ __ __

Minimum of 3 semesters hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours __ __ __ __

At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours __ __ __ __

At least 3 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

General Psychology 3 semester hours

Electives in Psychology 6 semester hours __ __

General electives 14 semester hours __ __ __ __

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: **64 SEMESTER HOURS**

3. **PROFESSIONAL COURSES:**
- | | | |
|--|--------------------------|---------|
| PS 331 Social Psychology | 3 semester hours | ___ |
| PS 332 Child Psychology or PS 334 Adolescent Psychology | 3 semester hours | ___ |
| PS 336 Psychology of Learning or
PS 410 History and Systems of Psychology | 3 semester hours | ___ |
| PS 341 Statistics in Behavioral Science | 3 semester hours | ___ |
| PS 352 Abnormal Psychology | 3 semester hours | ___ |
| PS 380 Experimental Psychology | 4 semester hours | ___ |
| PS 420 Cognitive Psychology | 3 semester hours | ___ |
| PS 406 Physiological Psychology | 3 semester hours | ___ |
| Faculty Advisor approved Psychology electives | 12 semester hours | ___ ___ |
| TOTAL PROFESSIONAL HOURS: | 37 SEMESTER HOURS | |
4. A minor is not required.
5. **GENERAL ELECTIVES** 27 semester hours ___ ___
 ___ ___
6. **TOTAL HOURS FOR GRADUATION:** 128 SEMESTER HOURS

PUBLIC SAFETY ADMINISTRATION (PSA)

The Bachelor of Science degree program in Public Safety Administration is intended for those students who are currently employed in or seek employment in the public safety sector or emergency service field and who wish to obtain a degree emphasizing expertise in management and administration. Students entering the program possess professional certification and lower-division coursework in a public safety field. Students can complete the administration coursework of the curriculum at Athens State University.

Bachelor of Science - Public Safety Administration Major

MAJOR CODE: 43.0201

Program components of the Bachelor of Science degree with a major in Public Safety Administration include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____ ____

II Humanities and Fine Arts 12 semester hours ____ ____ ____ ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours ____ ____ ____ ____

At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____ ____ ____ ____

At least 3 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

The Public Administration major must complete
Computer Applications (3 semester hours)

The remaining hours in Area V must be completed in Fire Services Management (FCS), Criminal Justice (CJ), Emergency Medical Services (EMS), or Water Quality Management.

TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. **PROFESSIONAL COURSES:**

PO 303 Comparative State and Local Government	3 semester hours	____
PO 304 Problems of American Government	3 semester hours	____
PO 342 Methods of Behavioral Science Research	3 semester hours	____
MG/PSA 349 Human Resources Management	3 semester hours	____
PSA 350 Introduction to the American Legal System	3 semester hours	____
PSA 375 Organizational Behavior	3 semester hours	____
PSA 377 Public Administration	3 semester hours	____
PSA 380 Public Finance	3 semester hours	____

4. A minimum of 27 semester hours of upper division JS/PO/PSA coursework must be completed at Athens State University.

5. A minor is **not** required.

5. **GENERAL ELECTIVES** 27 Semester Hours

6. **TOTAL HOURS FOR GRADUATION:** 128 semester hours

RELIGIOUS STUDIES

The Department of Religious Studies has two basic purposes: (1) To make its courses informative and enriching for all students who wish to know more of the Judaeo-Christian tradition and other major religions of the world and who are interested in relating life to ultimate religious and philosophical concerns and (2) to give students an educational foundation that will prepare them for successful graduate study or for effective professional careers in vocations related to religion and philosophy.

Bachelor of Arts - Philosophy and Religion Major

MAJOR CODE: 38.0201B

Program components for the Bachelor of Arts with a major in Philosophy and Religion include:

1. Applicable general university requirements.
2. **GENERAL STUDIES CURRICULUM CORE:**
 - I **Written Composition** 6 semester hours ____ ____
 - II **Humanities and Fine Arts** 12 semester hours ____ ____
Minimum of 6 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
 - III **Natural Sciences and Mathematics** 11 semester hours ____ ____
At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.
 - IV **History, Social and Behavioral Sciences** 12 semester hours ____ ____
At least 6 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
 - TOTAL GENERAL STUDIES CURRICULUM CORE:** 41 semester hours
 - V **PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES**

The Philosophy and Religion major must complete
Introduction to Philosophy (3 semester hours) or
Ethics and Society (3 semester hours)
Electives in Philosophy (6 semester hours)
General electives (14 semester hours)
TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3.	PROFESSIONAL COURSES:	
	Introduction to Philosophy (3 semester hours)	
	Survey of the Old Testament (3 semester hours)	
	Survey of the New Testament (3 semester hours)	
	PH 300 Moral Values in Today's Society	3 semester hours ____
	PH 312 Logic	3 semester hours ____
	PH 321 History of Philosophy I	3 semester hours ____
	PH 322 History of Philosophy II	3 semester hours ____
	PH 325 Philosophy of Religion	3 semester hours ____
	RE 301 Major Religions of the World	3 semester hours ____
	Electives in Philosophy and Religion*	15 semester hours ____ _
	TOTAL PROFESSIONAL HOURS:	33 SEMESTER HOURS

*Six of the 15 elective hours in Philosophy and Religion can come from RE 330, RE 331 Biblical Hebrew Grammar I and II and RE 340, RE 341 New Testament Greek for Beginners I and II, or RE 330 and RE 340.

4.	Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward humanities or social science elective requirements, and will not apply toward the major.	
5.	A minor is required.	18 semester hours
6.	GENERAL ELECTIVES	13 semester hours ____ _
7.	TOTAL HOURS FOR GRADUATION	128 semester hours

Bachelor of Arts - Religion Major

MAJOR CODE: 38.0201A

Program components for the Bachelor of Arts with a major in Religion include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 6 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours ____

At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____

At least 6 semester hours in history*, and the remaining semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V PRE-PROFESSIONAL COURSES:

The Religious Studies major must complete

Survey of the Old Testament (3 semester hours) or

Survey of the New Testament (3 semester hours)

Electives in Religious Studies (6 semester hours)

General electives (14 semester hours)

TOTAL PRE-PROFESSIONAL HOURS: 23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 semester hours

3. **PROFESSIONAL COURSES:**

Introduction to Philosophy (3 semester hours)

Survey of the Old Testament (3 semester hours)

Survey of the New Testament (3 semester hours)

RE 301 Major Religions of the World 3 semester hours ____

RE 327 Sociology of Religion 3 semester hours ____

RE 335 History of Christianity 3 semester hours ____

RE 351 Christian Thought Today 3 semester hours ____

RE 403 Religion in Life 3 semester hours ____

RE 409 Christian Thought in Early Centuries 3 semester hours ____

Electives in Religion* 15 semester hours ____

*Six of the 15 electives hours in Religion may come from RE 330, RE 331 Biblical Hebrew Grammar I and II, RE 340, RE 341 New Testament Greek for Beginners I and II, or RE 330 and RE 340.

TOTAL PROFESSIONAL HOURS: 33 semester hours

4. Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward humaniteis or social science elective requirements, and will not apply toward the major.
5. A minor is required. 18 semester hours
6. **GENERALECTIVES** 13 semester hours
- TOTAL HOURS FOR GRADUATION** 128 semester hours

PHILOSOPHY OR RELIGION MINOR

Twenty-one semester hours of Philosophy and/or Religion coursework constitutes a minor. RE 330, RE 331 Biblical Hebrew Grammar I and II and RE 340, RE 341 New Testament Greek for Beginners I and II will not apply toward a minor.

Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward humanities or social science elective requirements, and will not apply toward the minor.

SCIENCE MANAGEMENT

Athens State University offers to interested students a Bachelor of Science degree with a major in Science Management. In addition to selected Business Administration courses, the major requires a concentration of coursework in either Biology, Chemistry, Mathematics, Physics, Instrumentation, or Computer Science. The Science Management major is designed to prepare students for an M.B.A. program or for a career in a technically oriented business field. Regarding program requirements and recommended electives, the student should consult with his or her School of Arts and Sciences Faculty Advisor.

Bachelor of Science - Science Management Major **MAJOR CODE: 52.9999**

Program components for the Bachelor of Science degree with a major in Science Management include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours ____

II Humanities and Fine Arts 12 semester hours ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

III Natural Science and Mathematics 11 semester hours ____

Minimum of 3 semester hours in mathematics at the pre-calculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences.

The Science Management major must complete

*Pre-calculus Trigonometry (3 semester hours) or
Pre-calculus Algebra and Trigonometry (4 semester hours)

*If Pre-calculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student must complete Pre-calculus Trigonometry (3 semester hours) to satisfy the professional course requirements for trigonometry. Completion of Pre-calculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the professional course requirement for trigonometry.

For the indicated option, the Science Management major must complete

Biology option:

Principles of Biology I (4 semester hours)
Principles of Biology II (4 semester hours)

Chemistry option:

College Chemistry I (4 semester hours)
College Chemistry II (4 semester hours)

Physics, Instrumentation, Mathematics, or Computer Science option:

General Physics with Calculus I (4 semester hours)
General Physics with Calculus II (4 semester hours)

- IV. **History, Social and Behavioral Sciences** 12 semester hours ___ _ _ _
 Minimum of 3 semester hour course in history*, and at least 6 semester hours from among other social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.
 *As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

V. **PRE-PROFESSIONAL COURSES:**

Accounting I (3 semester hours)
 Accounting II (3 semester hours)
 Principles of Macroeconomics (3 semester hours)
 Principles of Microeconomics (3 semester hours)
 Business Statistics I (3 semester hours)
 Principles of Management (3 semester hours)
 Principles of Marketing (3 semester hours)
 General electives (2 semester hours)

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. **PROFESSIONAL COURSES:**

Pre-calculus Trigonometry or Pre-calculus Algebra and Trigonometry 3-4 semester hours ___
 Calculus I, II 8 semester hours ___ _
 CS 312 Computer Programming I 3 semester hours ___
 MA 308 Discrete Mathematics 3 semester hours ___
 MG 375 Organizational Behavior 3 semester hours ___

The Science Management major also must complete one of the following concentrations of which at least 12 semester hours must be completed at Athens State University.

Biology
MAJOR CODE: 52.9999B

CH 303, 304, 305 Chemistry I, II, III 8 semester hours ___ _ _
 BI 301 Cell Structure and Function 4 semester hours ___
 BI 302 Genetics 4 semester hours ___
 BI 303 General Ecology 4 semester hours ___
 Biology Elective 3 semester hours ___

Chemistry
MAJOR CODE: 52.9999C

Organic Chemistry I, II (CH 311, 312) 8 semester hours ___ _ _
 CH 324 Analytical Chemistry 4 semester hours ___
 CH 430, 431 Physical Chemistry I, II 9 semester hours ___ _ _
 Chemistry Electives 3 semester hours ___

Physics
MAJOR CODE: 52.9999G

Calculus III, IV (MA 305, 306) 6 semester hours ___ _
 MA 321 Differential Equations 3 semester hours ___

Mathematics
MAJOR CODE: 52.9999F

Calculus III, IV (MA 305, 306)	6 semester hours	___	___
MA 303L Calculus I Lab	1 semester hour	___	
MA 304L Calculus II Lab	1 semester hour	___	
MA 305L Calculus III Lab	1 semester hour	___	
MA 306L Calculus IV Lab	1 semester hour	___	
Mathematics Electives (300/400 level)	14 semester hours	___	___

Instrumentation
MAJOR CODE: 52.9999E

Instrumentation Electives	24 semester hours	___	___	___
		___	___	___
		___	___	

Computer Science
MAJOR CODE: 52.9999D

CS 314 Computer Programming II (Pascal II)	3 semester hours	___
CS 317 C++ Programming	3 semester hours	___
CS 330 Scientific Programming	3 semester hours	___
CS 340 Introduction to Assembly Language*	3 semester hours	___
CIS365 Visual Application Development	3 semester hours	___
CIS440 Database Systems	3 semester hours	___
CS 451 Software Engineering	3 semester hours	___
CS 452 Software Engineering Project	4 semester hours	___

TOTAL PROFESSIONAL HOURS 43-46 SEMESTER HOURS

4. The Science Management major must complete a minimum of 64 semester hours of coursework at a baccalaureate degree-granting institution, 42 semester hours of which must be upper division 300/400 level coursework, and 33 of the last 39 semester hours of which must be completed at Athens State University. The Science Management major also must complete one of the above concentrations of which at least 12 semester hours must be completed at Athens State University.

5. A minor is not required.

6. **GENERAL ELECTIVES 18-21 Semester Hours** ___ ___ ___
___ ___

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

SOCIOLOGY (SO)

The program in Sociology seeks to provide students with a comprehensive background for graduate study in sociology. For students preparing for careers in social service, probation/parole, mental health, and related areas, Sociology provides an important background knowledge base.

Specific competencies emphasized in all sociology degree programs include

1. a knowledge base that emphasizes the knowledge, theory, and application of core sociological concepts.
2. problem solving skills which have been formed by a sociological frame of reference.
3. the ability to collect, analyze, and interpret research data.
4. the knowledge and skill required to work in human services agencies.
5. the background and the ability to do graduate school work.

A departmental exit exam or successful completion of SO 490 is required of all students completing a major in sociology.

Bachelor of Arts - Sociology Major

MAJOR CODE: 45.1101A

Program components for the Bachelor of Arts degree with a major in Sociology include:

1. Applicable general university requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I Written Composition 6 semester hours ____

The Sociology major must complete
English Composition I (3 semester hours)
English Composition II (3 semester hours)

II Humanities and Fine Arts 12 semester hours ____

Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

III Natural Sciences and Mathematics 11 semester hours ____

At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social and Behavioral Sciences 12 semester hours ____

Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

The Sociology major must complete

Introduction to Sociology (3 semester hours)
Social Problems (3 semester hours)

TOTAL GENERAL STUDIES CURRICULUM CORE 41 semester hours

V. PRE-PROFESSIONAL COURSES:

The Sociology major must complete

Marriage and the Family (3 semester hours)

Electives in Sociology (6 semester hours)

General electives (14 semester hours)

TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

3. PROFESSIONAL COURSES:

SO 312 Majority/Minority Group Relations 3 semester hours ____

SO 314 Population Study 3 semester hours ____

SO 341 Statistics in Behavioral Science 3 semester hours ____

SO 342 Methods of Behavioral Science Research 3 semester hours ____

SO 360 The Contemporary American Family 3 semester hours ____

SO 361 Social Analysis 3 semester hours ____

SO 362 Deviant Social Behavior 3 semester hours ____

SO 460 Sociological Theories 3 semester hours ____

SO 490 Senior Sociology Seminar 1 semester hours ____

Electives in Sociology 9 semester hours ____

TOTAL PROFESSIONAL HOURS: 34 SEMESTER HOURS

4. A minor is required 18 semester hours

5. GENERAL ELECTIVES 12 semester hours ____

6. TOTAL HOURS FOR GRADUATION: 128 SEMESTER HOURS

Bachelor of Science - Sociology Major
MAJOR CODE: 45.1101B

Program components for the Bachelor of Science degree with a major in Sociology include:

1. Applicable general university requirements.
2. **GENERAL STUDIES CURRICULUM CORE:**
 - I **Written Composition** 6 semester hours ____
The Sociology major must complete
English Composition I (3 semester hours)
English Composition II (3 semester hours)
 - II **Humanities and Fine Arts** 12 semester hours ____
Minimum of 3 semester hours in literature*, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theater, and dance. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**
 - III **Natural Sciences and Mathematics** 11 semester hours ____
At least 3 semester hours in pre-calculus algebra or higher level mathematics, and at least 8 semester hours in the natural sciences which must include laboratory experiences. Natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.
 - IV **History, Social and Behavioral Sciences** 12 semester hours ____
Minimum of 3 semester hour course in history* and at least 6 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. ***As part of the General Studies Curriculum Core, students must complete a 6 semester hour sequence either in literature or in history.**

The Sociology major must complete
Introduction to Sociology (3 semester hours)
Social Problems (3 semester hours)

TOTAL GENERAL STUDIES CURRICULUM CORE 41 semester hours
- V **PRE-PROFESSIONAL COURSES:**

The Sociology major must complete
Marriage and the Family (3 semester hours)
Electives in Sociology (6 semester hours)
General electives (14 semester hours)
TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS

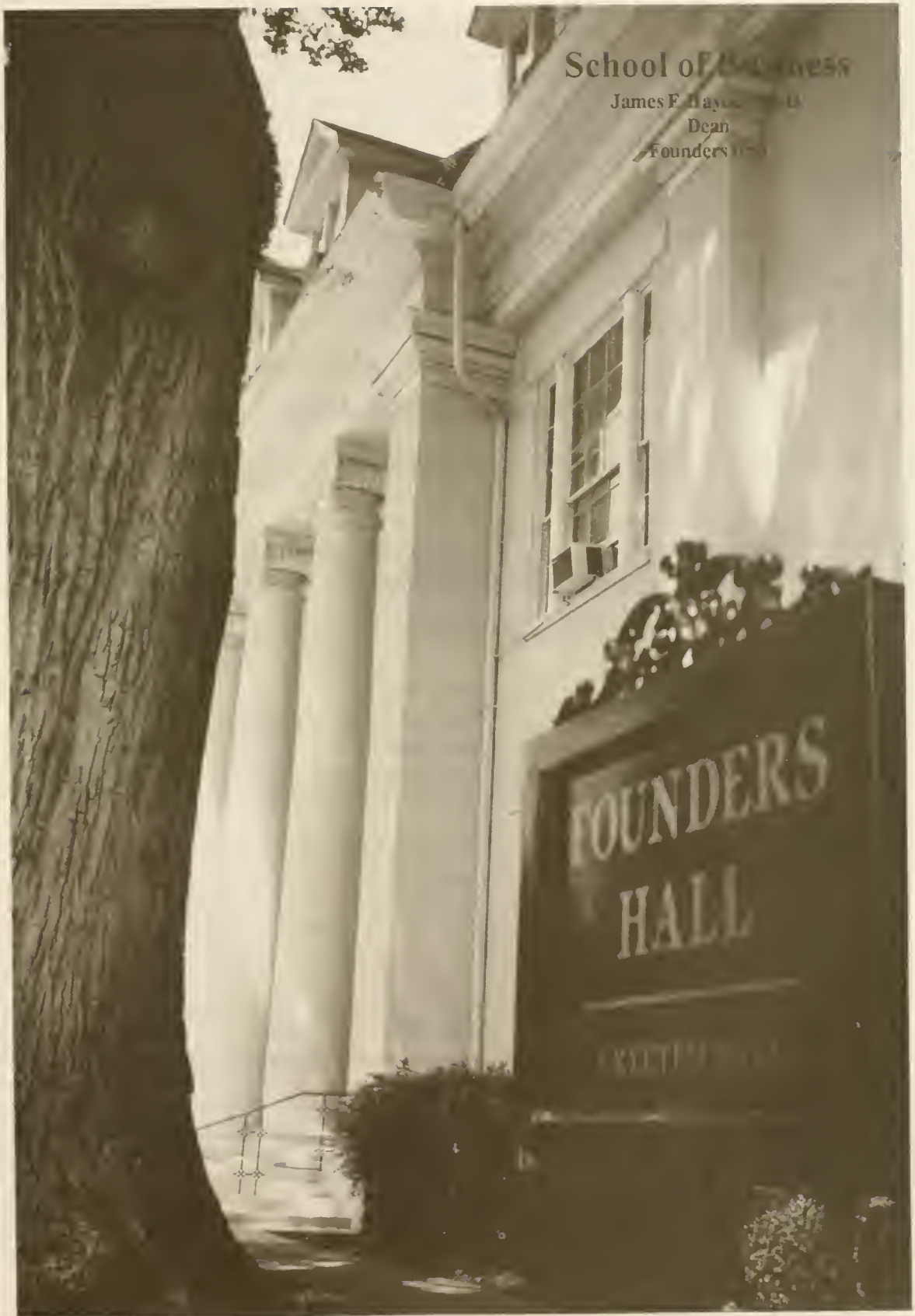
TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS

- | | | |
|----|---|-------------------------------|
| 3. | PROFESSIONAL COURSES: | |
| | SO 312 Majority/Minority Group Relations | 3 semester hours ____ |
| | SO 314 Population Study | 3 semester hours ____ |
| | SO 341 Statistics in Behavioral Science | 3 semester hours ____ |
| | SO 342 Methods of Behavioral Science Research | 3 semester hours ____ |
| | SO 360 The Contemporary American Family | 3 semester hours ____ |
| | SO 361 Social Analysis | 3 semester hours ____ |
| | SO 362 Deviant Social Behavior | 3 semester hours ____ |
| | SO 461 Sociological Theories | 3 semester hours ____ |
| | SO 490 Senior Sociology Seminar | 1 semester hour ____ |
| | Electives in Sociology | 9 semester hours ____ |
| | TOTAL PROFESSIONAL HOURS: | 34 SEMESTER HOURS |
| 4. | A minor is not required. | |
| 5. | GENERAL ELECTIVES | 30 semester hours ____ |
| | | ____ |
| | | ____ |
| 6. | TOTAL HOURS FOR GRADUATION: | 128 SEMESTER HOURS |

SOCIOLOGY MINOR

A minor in Sociology requires the completion of eighteen semester hours of coursework to consist of the following:

SO 312 Majority/Minority Group Relations	3 semester hours
SO 362 Deviant Social Behavior	3 semester hours
SO 461 Sociological Theories	3 semester hours
Sociology Electives	9 semester hours



School of Business

James F. Hayes, Ph.D.

Dean

Founders Hall

SCHOOL OF BUSINESS

James F. Haynes, Ph. D.

Dean

Athens State University, through its School of Business, is nationally accredited by the Association of Collegiate Business Schools and Programs to offer the following business degree:

The Bachelor of Business Administration (B.B.A.) with majors in:

- Accounting
- Human Resources Management
- Management
- Management of Technology

ACADEMIC UNIT	MAJOR	B.B.A.	Minor	ASU Certification
ACCOUNTING	Accounting	*		
MANAGEMENT	Management	*		
	Procurement			*
MANAGEMENT OF TECH.	Management of Technology	*		
HUMAN RESOURCE MGM.	Human Resources Management	*		
BUSINESS ADMINISTRATION	Business Administration		*	
MARKETING				*

SCHOOL OF BUSINESS

The mission of the School of Business is to offer programs of study to students that will prepare them for positions in business, finance, or government; enhance the professional development of those already employed, and provide an academic framework for graduate study leading to professional positions. The purpose of the School of Business is to provide quality education for all students, teaching them to think independently, to communicate, to make decisions, to solve problems, and to be lifelong learners. To carry out its mission and support its purpose, the School of Business has established the following seven goals:

1. Provide for continuous improvement of the programs within the School of Business in keeping with the standards set by Athens State University.
2. Place excellence in teaching as the number one priority for serving students and for evaluating faculty.
3. Offer academic advising services to students to ensure that they complete their degree programs in a timely manner.
4. Support faculty development by providing funding for attending seminars and workshops and for presentation of research.
5. Encourage growth and diversity in the faculty and student body.
6. Seek community and business relationships for advice and support of student and curriculum needs.
7. Maintain cooperative working relationships with other educational institutions to facilitate student transfer, maximize resource utilization and provide quality programs.

Athens State University, through its School of Business, is nationally accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer the Bachelor of Business Administration (B.B.A.) degree with majors in accounting, human resource management, management, and management of technology. Instruction offered by the School of Business is designed to assist in the preparation of competent and effective professionals in the areas of accounting and management. Students completing a degree program offered by the School of Business will possess the following skills and competencies:

1. Knowledge of accounting and economic concepts.
2. Knowledge of management and marketing concepts.
3. An ability to effectively use problem-solving techniques.
4. An ability to effectively and correctly use communication techniques.
5. An ability to effectively and correctly use quantitative techniques.
6. An understanding of the legal and ethical environment of business.
7. An understanding of microcomputer usage as it relates to business.
8. An understanding of the sources and uses of funds for business operation and the calculation of the cost of capital.
9. An understanding of production theory and practice.
10. An understanding of the operation of the global economy.

In cooperation with the School of Arts and Sciences, the School of Business participates in an interdisciplinary program of study leading to the Bachelor of Science degree in public safety administration (see Public Safety Administration), and a program of study leading to the Bachelor of Science degree with a major in Science Management (see Science Management).

It is the student's responsibility to comply with the School of Business coursework requirements. Under no circumstances are alterations or substitutions in required coursework permitted without prior approval of the business faculty members in the major area, the student's faculty advisor and the Dean of the School of Business.

ACCOUNTING

The objective of the major in accounting is to prepare students for a wide variety of careers in professional accounting, including public accounting, industrial accounting, internal auditing, and government service and to provide an academic framework for future graduate study. In addition to the program components listed below, the student should complete the general university requirements and satisfy the conditions for graduation (See General University Requirements).

Students who plan to sit for the CPA Exam in Alabama must complete a total of at least 150 semester hours. This may be accomplished by taking additional courses or completing a master's degree that provides the coursework required by the Alabama C.P.A. Board.

Bachelor of Business Administration - Accounting

MAJOR CODE: 52-0301A

Program components for the Bachelor of Business Administration degree with a major in Accounting include:

1. Applicable General University Requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I Written Composition 6 semester hours __ __

II Humanities and Fine Arts 12 semester hours __
 Requirements include 12 semester hours in humanities with a 6 semester hour sequence
 in literature, 3 semester hours in the arts, and 3 semester hours in philosophy,
 religious studies, speech, foreign languages, art, music, theatre or dance. __

III Natural Sciences and Mathematics 11 semester hours __
 Requirements include at least 11 semester hours with at least 3 semester hours in
 mathematics at the precalculus algebra level or higher and at least 8 semester hours
 in the natural sciences which must include laboratory experiences in the disciplines
 of astronomy, biology, chemistry, geology, or physics. __

IV. History, Social and Behavioral Sciences 12 semester hours __
 Requirements include 12 semester hours with 3 semester hours in history,
 6 semester hours in economics (ECO 231 and ECO 232), and 3 semester hours
 from one of the following: General Psychology (PSY 200), Introduction to
 Sociology (SOC 200) or Introduction to Anthropology (ANT 200). __

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 SEMESTER HOURS

V. PRE-PROFESSIONAL COURSES:

Principles of Accounting (BUS 241 and BUS 242) or BUS 210 and BUS 248) ... 6 semester hours __ __
 Business Statistics I (BUS 271) 3 semester hours __
 Business Statistics II (BUS 272) 3 semester hours __
 Legal Environment of Business (BU 263) 3 semester hours __
 Windows Computer Applications (CIS 146) 3 semester hours __
 Institutional approved elective 3 semester hours __
TOTAL PRE-PROFESSIONAL HOURS: 19-23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 62-64 SEMESTER HOURS

3. PROFESSIONAL COURSES:

AC 303	Management Decision Support Systems	3 semester hours	___
AC 321	Intermediate Accounting I	4 semester hours	___
AC 322	Intermediate Accounting II	4 semester hours	___
AC 341	Governmental Accounting	3 semester hours	___
AC 361	Federal Tax Accounting I	3 semester hours	___
AC 371	Managerial Accounting	3 semester hours	___
AC 401	Auditing	3 semester hours	___
AC 425	Accounting Information Systems	3 semester hours	___
AC 431	Advanced Accounting	3 semester hours	___
AC 461	Federal Tax Accounting II	3 semester hours	___
EC 320	International Commerce OR		
MG 352	Global Dimension of Business	3 semester hours	___
EC 321	Money and Banking	3 semester hours	___
FIN 350	Managerial Finance	3 semester hours	___
GBA312	Law for Accountants	3 semester hours	___
MG 320	Managerial Communications	3 semester hours	___
MG 346	Principles of Management	3 semester hours	___
MG 405	Production and Operations Management	3 semester hours	___
MG 420	Business Policy	3 semester hours	___
MK 331	Marketing Principles	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 59 SEMESTER HOURS

4. FREE ELECTIVE HOURS 5 semester hours ____ . ____

5. Earning an acceptable score on an assessment exam containing questions dealing with the ten competency and skill areas around which the curriculum is based.

6 Completion of a capstone course, MG 420 Business Policy, with a minimum grade of “C”. (Should be taken during final term.)

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS*

***Must include at least 64 semester hours of senior college credit to include a minimum of 42 semester hours of 300/400 level coursework. A minimum of 33 semester hours must be completed with Athens State University.**

MANAGEMENT

The objective of the major in management is to provide students with a comprehensive business education which will prepare them to enter managerial employment or to assist in the development of individuals who hold those positions. In addition, it provides an academic framework for future graduate study. The major encompasses the traditional business curriculum which includes coursework in accounting, economics, finance, management, marketing and the legal environment of business. Program components for the Bachelor of Business Administration in Management are listed below. In addition, the student must satisfy the general university requirements (See General University Requirements).

Bachelor of Business Administration - Management MAJOR CODE: 52-0201A

Program components for the Bachelor of Business Administration degree with a major in Management include:

1. Applicable General University Requirements.
2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition	6 semester hours	___	___
II Humanities and Fine Arts	12 semester hours	___	
Requirements include 12 semester hours in humanities with a 6 semester hour sequence in literature, 3 semester hours in the arts, and 3 semester hours in philosophy, religious studies, speech, foreign languages, art, music, theatre or dance.			
III Natural Sciences and Mathematics	11 semester hours	___	
Requirements include at least 11 semester hours with at least 3 semester hours in mathematics at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences in the disciplines of astronomy, biology, chemistry, geology, or physics.			
IV History, Social and Behavioral Sciences	12 semester hours	___	
Requirements include 12 semester hours with 3 semester hours in history, 6 semester hours in economics (ECO 231 and ECO 232), and 3 semester hours from one of the following: General Psychology (PSY 200), Introduction to Sociology (SOC 200) or Introduction to Anthropology (ANT 200).			
TOTAL GENERAL STUDIES CURRICULUM CORE:		41 SEMESTER HOURS	

V. PRE-PROFESSIONAL COURSES:

Principles of Accounting (BUS 241 and BUS 242) or BUS 210 and BUS 248) ...	6 semester hours	___	___
Business Statistics I (BUS 271)	3 semester hours	___	
Business Statistics II (BUS 272)	3 semester hours	___	
Legal Environment of Business (BU 263)	3 semester hours	___	
Windows Computer Applications (CIS 146)	3 semester hours	___	
Institutional approved elective	3 semester hours	___	
TOTAL PRE-PROFESSIONAL HOURS:		19-23 SEMESTER HOURS	

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: **62-64 SEMESTER HOURS**

3. PROFESSIONAL COURSES:

EC 320 International Commerce OR

MG 352	Global Dimension of Business	3 semester hours	_____
EC 321	Money and Banking	3 semester hours	_____
FIN 350	Managerial Finance	3 semester hours	_____
MG 302	Management Information Systems	3 semester hours	_____
MG 303	Management Decision Support Systems	3 semester hours	_____
MG 320	Managerial Communications	3 semester hours	_____
MG 346	Principles of Management	3 semester hours	_____
MG 349	Human Resources Management	3 semester hours	_____
MG 351	Labor/Management Relations	3 semester hours	_____
MG 353	Project Management	3 semester hours	_____
MG 375	Organizational Behavior	3 semester hours	_____
MG 405	Production and Operations Management	3 semester hours	_____
MG 416	Entrepreneurship	3 semester hours	_____
MG 417	Management of Change	3 semester hours	_____
MG 420	Business Policy	3 semester hours	_____
MK 331	Marketing Principles	3 semester hours	_____
TOTAL PROFESSIONAL HOURS:		48 SEMESTER HOURS	_____

[illegible]

4. Earning an acceptable score on an assessment exam containing questions dealing with the ten competency and skill areas around which the curriculum is based.
5. Completion of a capstone course, MG 420 Business Policy, with a minimum grade of "C". (Should be taken during final term.)

TOTAL MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS*

*Must include at least 64 semester hours of senior university credit to include a minimum of 42 semester hours of 300/400 level coursework. A minimum of 33 semester hours must be completed with Athens State University.

HUMAN RESOURCES MANAGEMENT

The objective of the major in Human Resources Management is to provide students with a program of study that will prepare them for a variety of employment opportunities in the area of human resources management and provide an academic framework for future graduate study. The curriculum combines traditional business courses, specialized management courses, and related psychology courses.

Bachelor of Business Administration - Human Resources Management MAJOR CODE: 52-1001A

Program components for the Bachelor of Business Administration degree with a major in Human Resources Management include:

1. Applicable General University Requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I Written Composition	6 semester hours	___	___
II Humanities and Fine Arts	12 semester hours	___	___
Requirements include 12 semester hours in humanities with a 6 semester hour sequence in literature, 3 semester hours in the arts, and 3 semester hours in philosophy, religious studies, speech, foreign languages, art, music, theatre or dance.			
III Natural Sciences and Mathematics	11 semester hours	___	___
Requirements include at least 11 semester hours with at least 3 semester hours in mathematics at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences in the disciplines of astronomy, biology, chemistry, geology, or physics.			
IV History, Social and Behavioral Sciences	12 semester hours	___	___
Requirements include 12 semester hours with 3 semester hours in history, 6 semester hours in economics (ECO 231 and ECO 232), and 3 semester hours from one of the following: General Psychology (PSY 200), Introduction to ... Sociology (SOC 200) or Introduction to Anthropology (ANT 200).			
TOTAL GENERAL STUDIES CURRICULUM CORE:	41 SEMESTER HOURS		

V. PRE-PROFESSIONAL COURSES:

Principles of Accounting (BUS 241 and BUS 242) or BUS 210 and BUS 248) ...	6 semester hours	___	___
Business Statistics I (BUS 271)	3 semester hours	___	___
Business Statistics II (BUS 272)	3 semester hours	___	___
Legal Environment of Business (BU 263)	3 semester hours	___	___
Windows Computer Applications (CIS 146)	3 semester hours	___	___
Institutional approved elective	3 semester hours	___	___
TOTAL PRE-PROFESSIONAL HOURS:	19-23 SEMESTER HOURS		

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 62-64 SEMESTER HOURS

3. PROFESSIONAL COURSES:

EC 320 International Commerce OR			
MG 352 Global Dimension of Business	3 semester hours	___	___
EC 321 Money and Banking	3 semester hours	___	___
EC 348 Labor Economics	3 semester hours	___	___
FIN 350 Managerial Finance	3 semester hours	___	___

GBA368	Industrial and Personnel Psychology	3 semester hours	___
MG 302	Management Information Systems	3 semester hours	___
MG 320	Managerial Communications	3 semester hours	___
MG 346	Principles of Management	3 semester hours	___
MG 349	Human Resources Management	3 semester hours	___
MG 351	Labor Management Relations	3 semester hours	___
MG 375	Organizational Behavior	3 semester hours	___
MG 405	Production and Operations Management	3 semester hours	___
MG 410	Employment Law for Business	3 semester hours	___
MG 417	Management of Change	3 semester hours	___
MG 420	Business Policy	3 semester hours	___
MK 331	Marketing Principles	3 semester hours	___
PS 331	Social Psychology	3 semester hours	___
PS 335	Adult Psychology	3 semester hours	___
PS 425	Tests and Measurements	3 semester hours	___
TOTAL PROFESSIONAL HOURS:		57 SEMESTER HOURS	

FREE ELECTIVE HOURS 7 semester hours ___ ___ ___

4. Earning an acceptable score on an assessment exam containing questions dealing with the ten competency and skill areas around which the curriculum is based.
5. Completion of a capstone course, MG 420 Business Policy, with a minimum grade of "C". (Should be taken during final term.)

TOTAL MINIMUM HOURS FOR GRADUATION: **124 SEMESTER HOURS***

*Must include at least 64 semester hours of senior college credit to include a minimum of 42 semester hours of 300/400 level coursework. A minimum of 33 semester hours must be completed with Athens State University.

MANAGEMENT OF TECHNOLOGY

The objective of the major in Management of Technology is to provide students with a comprehensive business education which will prepare them to enter managerial employment or to assist in the development of individuals who hold those positions. In addition, it provides an academic framework for future graduate study. The major encompasses the traditional business curriculum which includes coursework in accounting, economics, finance, management, marketing and the legal environment of business. Program components for the Bachelor of Business Administration in Management are listed below. In addition, the student must satisfy the general university requirements (See General University Requirements).

Bachelor of Business Administration - Management of Technology

MAJOR CODE: 52-9999A

Program components for the Bachelor of Business Administration degree with a major in Management of Technology include:

1. Applicable General University Requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I. Written Composition 6 semester hours ____

II. Humanities and Fine Arts 12 semester hours ____

Requirements include 12 semester hours in humanities with a 6 semester hour sequence in literature, 3 semester hours in the arts, and 3 semester hours in philosophy, religious studies, speech, foreign languages, art, music, theatre or dance. ____

III. Natural Sciences and Mathematics 11 semester hours ____

Requirements include at least 11 semester hours with at least 3 semester hours in mathematics at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences in the disciplines of astronomy, biology, chemistry, geology, or physics. ____

IV. History, Social and Behavioral Sciences 12 semester hours ____

Requirements include 12 semester hours with 3 semester hours in history, 6 semester hours in economics (ECO 231 and ECO 232), and 3 semester hours from one of the following: General Psychology (PSY 200), Introduction to Sociology (SOC 200) or Introduction to Anthropology (ANT 200). ____

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 SEMESTER HOURS

V. PRE-PROFESSIONAL COURSES:

Principles of Accounting (BUS 241 and BUS 242) or BUS 210 and BUS 248) ... 6 semester hours ____

Business Statistics I (BUS 271) 3 semester hours ____

Business Statistics II (BUS 272) 3 semester hours ____

Legal Environment of Business (BU 263) 3 semester hours ____

Windows Computer Applications (CIS 146) 3 semester hours ____

Institutional approved elective 3 semester hours ____

TOTAL PRE-PROFESSIONAL HOURS: 19-23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 62-64 SEMESTER HOURS

3. TECHNICAL CORE:

Technical Training: 4 or more semesters technical school or college,

or

Work Experience: 6 years documented, successful work experience,

or

Professional Program: Fine Arts or Health Sciences

TOTAL TECHNICAL CORE up to 24 semester hours ____

PROFESSIONAL COURSES:

EC 320 International Commerce OR		
MG 352 Global Dimension of Business	3 semester hours	___
EC 321 Money and Banking	3 semester hours	___
FIN 350 Managerial Finance	3 semester hours	___
MG 302 Management Information Systems	3 semester hours	___
MG 303 Management Decision Support Systems	3 semester hours	___
MG 320 Managerial Communication	3 semester hours	___
MG 346 Principles of Management	3 semester hours	___
MG 405 Production and Operations Management	3 semester hours	___
MG 415 Technical Risk Management	3 semester hours	___
MG 417 Management of Change	3 semester hours	___
MG 418 Management of Technology	3 semester hours	___
MG 419 Technology Transfer and Communications	3 semester hours	___
MG 420 Business Policy	3 semester hours	___
MK 331 Marketing Principles	3 semester hours	___
TOTAL PROFESSIONAL HOURS:	42 SEMESTER HOURS	

5. Earning an acceptable score on an assessment exam containing questions dealing with the ten competency and skill areas around which the curriculum is based.
6. Completion of a capstone course, MG 420 Business Policy, with a minimum grade of "C". (Should be taken during final term.)

TOTAL MINIMUM HOURS FOR GRADUATION 125 SEMESTER HOURS*

*Must include at least 64 semester hours of senior college credit to include a minimum of 42 semester hours of 300/400 level coursework. A minimum of 33 semester hours must be completed with Athens State University.

BUSINESS ADMINISTRATION MINOR

In order to better serve the entire student body of Athens State University, the School of Business makes available to those students majoring in nonbusiness disciplines, a structured minor in the area of Business Administration. The student seeking a minor in Business Administration must complete 24 semester hours of Business Administration courses to include the following:

AC	300	Fundamentals of Accounting or Principles of Accounting I	3 semester hours	___
EC	310	Modern Economics or Principles of Economics I	3 semester hours	___
FIN	350	Managerial Finance	3 semester hours	___
GBA	305	Statistical Methods of Business I	3 semester hours	___
GBA	311	The Legal Environment of Business	3 semester hours	___
MK	331	Marketing Principles	3 semester hours	___
MG	320	Managerial Communications	3 semester hours	___
MG	346	Principles of Management	3 semester hours	___
TOTAL HOURS REQUIRED			24 SEMESTER HOURS	

CERTIFICATE IN MARKETING

Athens State University offers a specialized certificate in marketing. Students who seek this certificate should complete the requirements described below:

MARKETING COURSES:

MK	331	Marketing Principles	3 semester hours	___
MK	336	Consumer Behavior	3 semester hours	___
MK	431	Marketing Research	3 semester hours	___
MK	432	Retailing	3 semester hours	___
MK	433	Marketing Strategies and Policies	3 semester hours	___
TOTAL HOURS REQUIRED			15 SEMESTER HOURS	

CERTIFICATE IN PROCUREMENT

Athens State University offers a specialized certificate in procurement and acquisition management. Students who seek this certificate should complete the requirements described below.

PROCUREMENT COURSES:

PR	394	Introduction to Procurement	3 semester hours	___
PR	395	Price and Cost Analysis	3 semester hours	___
PR	396	Advanced Procurement Concepts and Government Contract Law	3 semester hours	___
PR	397	Contract Negotiations	3 semester hours	___
PR	398	Contract Administration	3 semester hours	___
TOTAL HOURS REQUIRED			15 SEMESTER HOURS	

LOGISTICS UNIVERSITY

The School of Business participates in consortium agreements with Alabama A & M University and the University of Alabama in Huntsville to offer coursework to employees of the Missile Logistics Center at Redstone Arsenal.

School of Education

Jonita Haynes, Ph.D.

Dean

McCain Hall



SCHOOL OF EDUCATION

Jonita Haynes, Ph. D.

Dean

The School of Education at Athens State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue, N.W., Suite 500, Washington, D.C. 2036, Phone (202) 466-7496.

ACADEMIC UNIT	MAJOR	B.S.Ed.	B.S.
EARLY CHILDHOOD ED. P-3 (Pending State Approval)	Early Childhood Education P-3	*	
ELEMENTARY EDUCATION	Elementary K-6	*	
SECONDARY EDUCATION	Biology	*	
	Chemistry	*	
	Comprehensive Science	*	
	History	*	
	Language Arts	*	
	Mathematics	*	
	Social Science	*	
SPECIAL EDUCATION	Collaborative Teacher K-6 (Special Education)	*	
	Collaborative Teacher 6-12 (Special Education)	*	
CAREER TECHNICAL EDUCATION	Career/Technical Education	*	
	Post-Secondary Ed. (non-Cert.)	*	
	Military Instructor/Staff Development		
	(non-Cert.)	*	
PHYSICAL EDUCATION	Physical Education	*	*

SCHOOL OF EDUCATION

The Teacher Education Program at Athens State University promotes the professional development of students who seek teaching as a career, students who will become Teachers for America's Future. The program is approved by the Alabama State Department of Education and accredited by the National Council for Accreditation of Teacher Education. Students are advised and assisted in each phase of their preparation program. The School of Education offers an undergraduate degree leading to Class B Certification in Early Childhood Education, Elementary Education, High School Education, Physical Education, Special Education, and Secondary Trade and Industry. A program for endorsement in middle school is also available. In addition, the School of Education offers a nonteaching program to physical education majors and a career technical training in vocational education.

The School of Education reserves the right to deny credit for course work that is not current. An average of "C" or better is required in English composition and a grade of "C" or better is required in introductory or fundamentals of speech. Students who do not meet these criteria must repeat English composition with a grade of "C" or better, and must repeat an introductory speech course with a grade of "C" or better.

The preparation of teachers is built on a liberal arts foundation. Those students preparing for teaching positions in the secondary schools pursue a composite teaching specialization or complete two approved teaching specializations. Students preparing to teach early childhood and elementary education concentrate on subject matter relevant to the major. Those who are preparing to teach special education or physical education pursue a broad program appropriate to both elementary and/or secondary schools. All groups complete their programs with specific and appropriate professional courses.

All programs are designed to assist students in acquiring knowledge and abilities to become teachers who are effective communicators; knowledgeable scholars; positive and supportive professionals; resourceful curriculum planners; skilled facilitators of developmental growth; student-centered, reflective instructors; capable classroom managers; competent evaluators; and lifelong learners. Faculty model varied methods, strategies, and techniques; students demonstrate attainment of knowledge and skills in classes and campus-based and field-based settings. The development of a professional portfolio that reflects evolving professional growth and the ability to integrate general learning, subject matter, professional studies, and pedagogical studies is required of each candidate.

Follow-up studies of graduates are conducted in an effort to assess teaching effectiveness and to secure data vital to future planning and development. Special assistance is offered to the beginning teacher.

Changes to the requirements of the Teacher Education Program may occur at any time. Students are advised to check updated program of study forms for these changes.

TEACHER EDUCATION PROGRAM

Admission

Prior to enrolling in certain professional education courses other than ED 300, Foundations of Education, a student must be admitted to the Teacher Education Program. All students wishing to enter the Teacher Education Program must meet the following requirements prior to the end of their second semester.

1. Present documentation of proficiency on the Basic Skills Test. This test is administered in January, April, July, and October. Applications must be submitted several weeks in advance and are available in the testing office in the Student Center, or the certification office in McCain Hall. To be admitted to TEP a student must score a minimum of 320 OR score between 300 and 319 AND submit verification of 15 clock hours in the Athens State University Writing Lab and/or Math Lab according to recommendations.
2. Achieve an average of "C" or better in English composition and a grade of "C" or better in introductory or fundamental speech.
3. Complete Education 300, Foundation of Education, or equivalent, with a grade of "C" or better.
4. Receive recommendation from the interviewer who reviews the applicant's personal traits, experiences, interests and aptitudes as these relate to the requirements for successful teaching. An essay written by the applicant is also reviewed at this time.

5. Achieve a grade point average of at least 2.75 on a 4.0 scale in each of the following: Professional Education, Teaching Field, and Overall.
- General Education Requirements—Only courses used must be included in the calculation.
- Professional Education Requirements—Only transfer work used and all work attempted at Athens State University must be included in the calculation.
- Teaching Field Requirements—Only transfer work used and all work attempted at Athens State University must be included in the calculation.
- Overall—use courses applicable to degree, professional studies courses, and teaching field courses.
- Overall GPA is the total of all three areas above:
- Add hours attempted for the three areas
 - Add quality points for the three areas
 - Divide hours attempted into quality points
6. Submit documentation of a current, negative chest x-ray or tuberculosis skin test.
7. Complete and submit the Written Application for Admission to Teacher Education and Essay (usually completed in ED 300) to the School of Education. This application should be submitted on or before:
- July 20 for admission prior to Fall Semester
 - October 20 for admission prior to Spring Semester
 - March 10 for admission prior to Summer Semester

Retention

1. A student may be dropped from the Teacher Education Program for failure to maintain the standards of performance required for admission to the program. The student will be supervised and evaluated in an effort to eliminate his or her deficiencies. Failure to pass with a "C" or better in any education course (ED, SE, PE, CE) after two attempts will result in removal from the program.
2. Maintain a grade point average of at least 2.75 on a 4.0 scale in each of the following: Professional Education, Teaching Field, and Overall.
- General Education Requirements—Only courses used must be included in the calculation.
- Professional Education Requirements—Only transfer work used and all work attempted at Athens State University must be included in the calculation.
- Teaching Field Requirements—Only transfer work used and all work attempted at Athens State University must be included in the calculation.
- Overall—using courses applicable to degree, professional studies courses, and teaching field courses.
- Overall GPA is the total of all three areas above:
- Add hours attempted for the three areas
 - Add quality points for the three areas
 - Divide hours attempted into quality points
3. A Professional Review Board composed of education faculty members meets periodically to review unsatisfactory performance and progress of students referred by faculty members. Recommendations are determined by consensus.

4. A student must maintain a current validation of a negative chest x-ray or tuberculosis skin test throughout the Teacher Education Program.

Completion

In addition to the specified courses in each approved program, the student must meet the following requirements:

1. Maintain a grade point average of at least a 2.75 on a 4.0 scale in each of the following: Professional Education, Teaching Field, and Overall.

General Education Requirements - Only courses used must be included in the calculation.

Professional Education Requirements - Only transfer work used and all work attempted at Athens State University must be included in the calculation.

Teaching Field Requirements - Only transfer work used and all work attempted at Athens State University must be included in the calculation.

Overall—use courses applicable to degree, professional studies courses, and teaching field courses.

Overall GPA is the total of all three areas above.

—Add hours attempted for the three areas.

—Add quality points for the three areas.

—Divide hours attempted into quality points.

2. Achieve a minimum grade of “C” in each professional education course and each teaching field course. Courses in which D’s and F’s are made must be repeated and all attempts are calculated in GPA.
3. Complete the Teacher Education Program within four years from the date of admission.
4. Earn a passing score on a comprehensive exit examination covering the content of the teaching field(s) and professional education. All students completing any education program are required to take the examination.
5. Receive a satisfactory evaluation on the required portfolio. The portfolio will reflect evolving professional growth from the start to the completion of the program. During the final semester, the candidate will present the portfolio for evaluation.

IMPORTANT NOTICE!!!

The State Department of Education retains the right to deny credit for a course with a prerequisite of admission to teacher education if that course was taken prior to admission to teacher education. Students not admitted to the Teacher Education Program who register for courses that require admission can be withdrawn from the course by the School of Education.

Courses That Require Admission to the Teacher Education Program

Early Childhood Education (PENDING APPROVAL BY THE STATE BOARD OF EDUCATION.)

- ED 350 Administering and Managing Early Childhood Program
- ED 420 Teaching Science
- ED 423 Teaching Social Studies
- ED 470 Early Childhood Curriculum
- ED 480 Internship in Early Childhood

Elementary Education

- ED 361 Measurement and Management
- ED 413 Teaching Reading in Intermediate Grades
- ED 420 Teaching Science
- ED 423 Teaching Social Studies
- ED 472 Planning and Organizing the Elementary School Curriculum
- ED 480 Internship in Early Childhood Education
- ED 482 Internship in Elementary Education

Collaborative Teacher

- ED 413 Teaching Reading in the Intermediate Grades
- ED 476 Internship in Collaborative Teacher K-6
- ED 478 Internship in Collaborative Teacher 6-12
- SE 415 Transition Planning and Learning Strategies for Adolescents
- SE 435 Strategies for Individuals with Severe Disabilities
- SE 445 Assessment II: Advanced Procedures and Techniques
- SE 455 Language and Development Strategies for Young Children
- SE 465 IEPs and Other Legal Issues

Language Arts, English, Comprehensive Science, Biology, Chemistry, Social Science, History, Political Science, Mathematics

- ED 333 Teaching Reading in the Content Area
- ED 361 Measurement and Management
- ED 431 Teaching Middle/High School
- ED 486 Internship in High School

Physical Education

- ED 333 Teaching Reading in the Content Area
- PE 401 Tests and Measurements in Physical Education
- PE 430 Teaching Physical Education in the Elementary School
- PE 440 Teaching Physical Education in the High School
- ED 488 Internship in N-12

Career/Technical Education

- ED 333 Teaching Reading in the Content Area
- ED 486 Internship in High School
- VE 440 Testing and Evaluation in Vocational Education
- VE 470 Practicum - Supervised Work Experience

Internship

1. Students **must** apply to the Director of Internship two semesters prior to registering for Internship. (The application forms are available in the certification office of the School of Education). The internship should be taken the last semester in attendance after all course work has been successfully completed.
2. The intern shall not be enrolled in course work during the normal operational hours of the school(s) where the internship is being completed. (Limit: One evening or weekend course with permission.)
3. The initial internship requires fourteen weeks of attendance at the assigned school(s). A second internship for persons seeking additional certification in all areas except Special Education requires seven weeks of attendance at the assigned school(s). A second internship in Special Education requires an additional fourteen weeks.

The State Board of Education periodically revises the requirements governing certification in the State of Alabama. Therefore, requirements for degrees leading to certification are subject to change from those published in this Catalog. The student is advised to secure a current curriculum guide from the School of Education Office to ensure that both degree requirements and certification requirements are met.

Anyone convicted of a felony can be denied certification or have certification revoked by the State Superintendent.

Certification

Issuance of Alabama teaching certificates is the legal responsibility of the Alabama State Department of Education. Universities and colleges cannot issue a professional certificate. However, in order to be certified at the professional "B" level, a student must complete an appropriate course of study at a college or university which has been approved by the State Board of Education. When a student completes the course of study, the institution recommends to the State Department of Education that the appropriate certificate be awarded. It is the responsibility of the student to complete the steps for certification recommendation from Athens State University which are as follows:

1. Satisfy the requirements of the Teacher Education Program.
2. Obtain application for certification from the Certification Officer.
3. Provide a \$20.00 money order for each level of certification. (Amount subject to state modification; make money order payable to the State Department of Education in Montgomery).
4. Provide a fingerprint card.
5. Provide a release form for background check and a separate \$25.00 money order made payable to the State Department of Education.
6. Provide the Certification Officer with one copy of an official transcript.
7. Students seeking certification in another state should check with that state for requirements and certification areas available.

NOTE: Certificates for students who complete certification requirements after September 1 will be dated effective July 1 of the following year.

BACKGROUND CHECK FOR CERTIFICATION APPLICATIONS

Alabama requires all applicants to obtain a state background clearance through a fingerprint review conducted by the Alabama Bureau of Investigation (ABI) unless they hold or have held an Alabama Professional Certificate or Career/Technical Certificate (day trade or health occupations) which was issued on the basis of an application submitted prior to July 1, 1997. The fingerprint card will remain on file with the ABI as long as the certificate or license is valid. If the certificate or license is allowed to lapse, the fingerprint card will remain on file with the ABI no longer than 90 days from the date of its expiration.

Students may choose to be fingerprinted by Athens State campus security or contact a law enforcement agency in their communities. After fingerprints are taken, the fee for processing the fingerprint card through the appropriate law enforcement agency is \$25.00, made payable by separate money order or cashier's check to the Alabama State Department of Education. This fee is in addition to the \$20.00 fee for certification which must also be included in the application packet. The two fees must be paid by separate money orders or cashier's checks.

Post Graduate Teacher Education

Program Planning

A student who holds a baccalaureate degree from an accredited institution may complete certification requirements at Athens State University. In general, this student must meet the same requirements for admission to and exit from the program as a regular undergraduate student. There are several classifications which may be appropriate for this student; consequently, the student must consult the Certification Officer to have a program plan approved before enrolling for a course. Those who plan to apply for a second degree must complete a minimum of 15 semester hours in the major area(s)/teaching fields(s) at Athens State University.

A student who holds an Alabama teacher's certificate may seek to add additional areas of certification endorsement. The Certification Officer will assist the student in program planning to meet the State Department of Education requirements.

Job Placement

It is recommended that each student place a resume' on file with the Athens State University Placement Office prior to graduation.

Support for Beginning Teachers

Athens State University graduates have completed a program which prepares teachers to be:

1. effective communicators,
2. knowledgeable scholars,
3. positive, supportive professionals,
4. resourceful curriculum planners,
5. skilled facilitators of developmental growth,
6. student-centered, reflective instructors,
7. capable classroom managers,
8. competent evaluators, and
9. lifelong learners.

In order to provide support and to assure continued application of and growth in these professional qualities, additional services are available. The School of Education of Athens State University encourages graduates and public school personnel to contact the School for any of the following support services:

1. workshops for beginning teachers,
2. on-going mentorship of beginning teachers,
3. curriculum laboratory resources,
4. one-on-one support conferences,
5. content support from other academic areas,
6. site visits,
7. a teaching tips column in the school newsletter, Teaching, Etc.

Transfers

Students transferring and requesting entry into the Teacher Education Program are required to complete a minimum of 24 semester hours of advisor approved courses in the professional and subject discipline including department designated capstone course(s), in addition to an internship at Athens State University.

**PENDING APPROVAL BY THE STATE BOARD OF EDUCATION AND
DETERMINATION OF COMPLIANCE WITH ARTICULATION AGREEMENT.**

Bachelor of Science in Education - Early Childhood Education Major (P-3)

MAJOR CODE: 13.1204

Program components for the Bachelor of Science in Education with a major in Early Childhood Education include:

1. Applicable general university requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

- I Written Composition** 6 semester hours __ __
- II Humanities and Fine Arts** 12 semester hours __ __ __ __
Requirements include a minimum of 3 semester hours in literature*,
3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester
hours from the humanities and/or fine arts which include, but are not limited to
philosophy, religious studies, foreign languages, art, music, theatre, and dance.
- III Natural Sciences and Mathematics** 11 semester hours __ __ __ __
At least 3 semester hours at the precalculus algebra level or higher and at least 8 semester hours in the
natural sciences which must include laboratory experiences. The natural science disciplines include,
but are not limited to, astronomy, biology, chemistry, geology, and physics.
Students must take BIO 101 Introduction to Biology I or BIO 103 Principles of Biology I
and BIO 102 Introduction to Biology II or BIO 104 Principles of Biology II.
Note: Students may take MTH 110 Finite Mathematics.
- IV History, Social, and Behavioral Sciences** 12 semester hours __ __ __ __
At least a 3 semester hour course in history* and at least 6 semester hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

CHD 102 Creative Experiences in Early Childhood Education	3 semester hours	__
CHD 103 Language and Literacy Development in Preschool Children	3 semester hours	__
CHD 106 Children's Health, Safety, and Nutrition	3 semester hours	__
CHD 204 Methods and Materials for Teaching Preschool Children	2 semester hours	__
CHD 205 Developing Programs for Preschool Children	3 semester hours	__
CHD 209 Infant and Toddler Programs	3 semester hours	__
CHD 210 Educating Exceptional Children	3 semester hours	__
CHD 215 Practicum in Early Childhood Education	3 semester hours	__
TOTAL PRE-PROFESSIONAL HOURS:	23 SEMESTER HOURS	

TOTAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 64 semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	__
ED 302 Theories and Stages in Language Development	3 semester hours	__
ED 305 Computers and Media for Teachers	3 semester hours	__
ED 310 Principles of Early Childhood Education	3 semester hours	__

ED 312 The Child in a Diverse Society	3 semester hours	___
ED 318 Literature in Early Childhood Education	3 semester hours	___
ED 321 Teaching Language Arts	3 semester hours	___
ED 323 Teaching Reading in the Primary Grades	3 semester hours	___
ED 324 Teaching Mathematics in the Primary Grades	3 semester hours	___
ED 350 <u>Administering and Managing Early Childhood Programs</u>	3 semester hours	___
ED 420 <u>Teaching Science</u>	3 semester hours	___
ED 423 <u>Teaching Social Studies</u>	3 semester hours	___
ED 470 <u>Early Childhood Curriculum</u> (Capstone Course)	3 semester hours	___
ED 480 <u>Internship in Early Childhood Education</u>	9 semester hours	___ ___
PE 431 Motor Development and Physical Activities	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS	51 semester hours	

Underlined courses require admission to the Teacher Education Program.

4. Math and science courses beyond the 11 semester hours required in Area III.
 One math course (precalculus algebra level or higher) from Area III not already taken.
 Two science courses representing disciplines such as chemistry, physics,
 astronomy, or geology from approved courses in Area III above and other
 than biology. 12-13 semester hours ___ ___

TOTAL PROFESSIONAL EDUCATION COURSE HOURS 63-64 SEMESTER HOURS

Elective: ED303 Professional Education Communication 0-3 semester hours ___

TOTAL HOURS FOR GRADUATION 124-128 semester hours

Bachelor of Science in Education - Elementary Education Major (K-6)

MAJOR CODE: 13.1202

Program components for the Bachelor of Science in Education with a major in Early Childhood Education include:

1. **Applicable general university requirements.**
2. **GENERAL STUDIES CURRICULUM CORE:**

I	Written Composition	6 semester hours	___	___	___	___
II	Humanities and Fine Arts	12 semester hours	___	___	___	___
	Requirements include a minimum of 3 semester hours in literature*, 3 semester hours in the arts, 3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours from the humanities and/or fine arts which include, but are not limited to philosophy, religious studies, foreign languages, art, music, theatre, and dance.					
III	Natural Sciences and Mathematics	11 semester hours	___	___	___	___
	At least 3 semester hours at the precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences. The natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics. Students must take BIO 101 Introduction to Biology I or BIO 103 Principles of Biology I and BIO 102 Introduction to Biology II or BIO 104 Principles of Biology II. Note: Students may take MTH 110 Finite Mathematics.					
IV	History, Social, and Behavioral Sciences	12 semester hours	___	___	___	___
	At least a 3 semester hour course in history* and at least 6 semester hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.					

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

***Students must complete a 6 semester hour sequence either in literature or history.**

V. PRE-PROFESSIONAL COURSES:

Students must choose 11-12 semester hours from the courses listed below:

Two science courses representing two disciplines such as chemistry, physics, astronomy, or
geology from approved courses in Area III above and other than biology. May include PHS 111
Physical Science I. One math course (precalculus algebra level or higher) from Area III not
already taken. Health and physical education for 3 semester hours. The remaining hours
may be taken as free electives at the 100 and 200 level.

TOTAL PRE-PROFESSIONAL HOURS: 19-23 SEMESTER HOURS

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 60-64 Semester hours

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 312 The Child in a Diverse Society	3 semester hours	___
ED 315 Principles of Teaching Young Children	3 semester hours	___
ED 320 Children's Literature	3 semester hours	___
ED 321 Teaching Language Arts	3 semester hours	___
ED 323 Teaching Reading in the Primary Grades	3 semester hours	___
ED 324 Teaching Mathematics in the Primary Grades	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 413 <u>Teaching Reading in the Intermediate Grades</u>	3 semester hours	___
ED 420 <u>Teaching Science</u>	3 semester hours	___
ED 423 <u>Teaching Social Studies</u>	3 semester hours	___

ED 424 Teaching Mathematics in the Intermediate Grades	3 semester hours	___
ED 472 <u>Planning and Organization of the</u> <u>Elementary School Curriculum</u> (Capstone Course)	3 semester hours	___
ED 482 <u>Internship in Elementary Education</u>	9 semester hours	___ — —
AR 310 Fine Arts Connections for Elementary Teachers	3 semester hours	___
PE 431 Motor Development and Physical Activities	3 semester hours	___
PS 332 Child Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS	63 semester hours	

Elective: ED 303 Professional Education Communication 0-3 semester hours ___

Underlined courses require admission to the Teacher Education Program.

TOTAL HOURS FOR GRADUATION 124-128 semester hours

4. A second major is **not** required.

MIDDLE SCHOOL ENDORSEMENTS (4-8)

History/English/Biology/Mathematics:

For the student obtaining elementary certification who wishes to add a middle school endorsement (grades 4-8) in **history, English, biology or mathematics**, the following courses are required:

ED 431 Teaching in the Middle/High School	3 semester hours	___
ED 333 Teaching Reading in the Content Areas	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
Advisor approved courses from the approved respective teaching field for 7-12 certification ..	27 semester hours	___
TOTAL	36 semester hours	___

Comprehensive Science

For the student obtaining elementary certification who wishes to add a middle school endorsement in **comprehensive science**, the following courses are required:

ED 431 Teaching in the Middle/High School	3 semester hours	___
ED 333 Teaching Reading in the Content Areas	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from each of these areas: physics, earth & space science, biology, chemistry	27 semester hours	___
TOTAL	36 semester hours	___

Language Arts

For the student obtaining elementary certification who wishes to add a middle school endorsement in **language arts**, the following courses are required:

ED 431 Teaching in the Middle/High School	3 semester hours	___
ED 333 Teaching Reading in the Content Areas	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from each of these areas: English composition and literature, drama and speech	27 semester hours	___
TOTAL	36 semester hours	___

Social Science

For the student obtaining elementary certification who wishes to add a middle school endorsement in **social science**, the following courses are required:

ED 431 Teaching in the Middle/High School	3 semester hours	___
ED 333 Teaching Reading in the Content Areas	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
Advisor approved courses from the approved teaching field for 7-12 certification. Courses must be selected from each of these areas: economics, geography, history, political science, sociology or anthropology (No psychology)	27 semester hours	___
TOTAL	36 semester hours	___

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP WAS NOT COMPLETED IN GRADES 4-6, AN ADDITIONAL SEVEN-WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

HIGH SCHOOL EDUCATION

The student who wishes to be certified to teach in high school (grades 7-12) must successfully complete an approved composite major or two majors. The requirements for completing a teacher education program in high school follows:

Bachelor of Science in Education - High School Education Major

Program components for the Bachelor of Science in Education with a major in High School Education include:

1. Applicable general university requirements
2. General studies curriculum core requirements.
3. High School Education majors desiring middle school endorsement (grades 4-8) should refer to their respective high school certification requirements for applicable middle school endorsements.

Bachelor of Science in Education - Biology

MAJOR CODE: 13.1205A

Program components for the Bachelor of Science in Education with a major in Early Childhood Education include:

1. Applicable general university requirements.
2. A minimum of 18 semester hours of upper-division biology course work, **at least 12 semester hours of which must be taken at Athens State University.** Courses taken under the SIR agreement do not constitute upper-division course work.

3. GENERAL STUDIES CURRICULUM CORE:

I. Written Composition 6 semester hours __ __

II. Humanities and Fine Arts 12 semester hours __ __ __ __
Requirements include a minimum of 3 semester hours in literature*,
3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester
hours from the humanities and/or fine arts which include, but are not limited to
philosophy, religious studies, foreign languages, art, music, theatre, and dance.

**III. Natural Sciences and Mathematics 11 semester hours __ __ __ __
At least 3 semester hours at the precalculus algebra level or higher and at least 8 semester hours in the
natural sciences which must include laboratory experiences. The natural science disciplines include,
but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours __ __ __ __
At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE: 41 semester hours

***Students must complete a 6 semester hour sequence either in literature or history.**

**V. PRE-PROFESSIONAL COURSES:

Middle and high school education majors should select courses appropriate to their major.
Refer to Program of Study sheets for specific requirements.
Health and physical education (3 semester hours).
Students must take 12 semester hours of any 100-200 biology not including courses taken
in Area III.

TOTAL PRE-PROFESSIONAL HOURS 19-23 Semester Hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS 60-64 SEMESTER HOURS

4. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School</u> (Capstone course)	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION HOURS:	33 semester hours	

ED 333, 361, and 431 cannot be taken concurrently without prior approval.
Underlined courses require admission to the Teacher Education Program.

5. **PROFESSIONAL COURSES:**

**Principles of Biology I, II (8 semester hours)		
BI 301 Cell Structure and Function	4 semester hours	___
BI 302 Genetics	4 semester hours	___
BI 303 General Ecology	4 semester hours	___
*Human Anatomy and Physiology I or II (4 semester hours)		
*Microbiology (4 semester hours)		
Select 18 semester hours from the following courses or Faculty Advisor approved electives:		
BI 321 Conservation Biology	3 semester hours	___
BI 322 Human Genetics	3 semester hours	___
BI 341 Biogeography	3 semester hours	___
BI 342 Economic Botany	3 semester hours	___
BI 410 Biochemistry	3 semester hours	___
BI 411 Invertebrate Systematics and Morphology or BI 412 Invertebrate Development and Function	4 semester hours	___
BI 413 Vertebrate Biology or BI 414 Comparative Vertebrate Anatomy	4 semester hours	___
BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology	4 semester hours	___
BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy	4 semester hours	___
BI 424 Animal Physiology	4 semester hours	___
BI 431 Plant Systematics and Morphology or BI 432 Plant Development and Function	4 semester hours	___
BI 440 Biotechnology	3 semester hours	___
TOTAL PROFESSIONAL HOURS:	35-40 semester hours	
TOTAL HOURS FOR GRADUATION	124-128 semester hours	

***These courses must be completed first.**

6. An approved second teaching major is required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.
7. A minor is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in **biology**, the following courses are required:

ED 413 Teaching Reading in the Intermediate Grades	3 semester hours	___
ED 420 Teaching Science	3 semester hours	___
PS 332 Child Psychology	3 semester hours	___
SDE approved courses from the teaching field for 7-12 certification	27 semester hours	___
TOTAL	36 semester hours	

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP DID NOT INCLUDE AT LEAST SEVEN WEEKS IN GRADES 7-8, AN ADDITIONAL SEVEN-WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

Bachelor of Science in Education - Chemistry

MAJOR CODE: 13.1205B

1. Applicable General University Requirements.
2. A 36-37 semester hour major; at least four chemistry courses must be taken at Athens State University. Approval of all transfer chemistry credits for advanced standing and approval of program projection by the student's chemistry advisor is required.

3. GENERAL STUDIES CURRICULUM CORE:

I Written Composition 6 semester hours

II Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to
philosophy, religious studies, foreign languages, art, music, theatre, and dance.

****III Natural Sciences and Mathematics 11 semester hours**

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE HOURS 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V PRE-PROFESSIONAL COURSES:

Middle and high school education majors should select courses appropriate to their majors.
Refer to the Program of Study sheets for specific course requirements.
Health and physical education (3 semester hours).
Student must take 12 semester hours of any 100-200 chemistry not including
courses taken in Area III.

TOTAL PRE-PROFESSIONAL COURSES: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 60-64 Semester hours

4. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School</u> (Capstone course)	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION HOURS:	33 semester hours	

ED 333, 361 and 431 cannot be taken concurrently without prior approval.

Underlined courses require admission to the Teacher Education program.

5. **PROFESSIONAL COURSES:**

****Calculus I, II, III, IV(12 semester hours)**

****Physics I or PY 301 (4 semester hours)**

****College Chemistry I & II or CH 303, 304, 305 Chemistry I, II, III (8 semester hours)**

CH 311, 312 Organic Chemistry 8 semester hours ____

CH 324 Analytical Chemistry 4 semester hours ____

CH 430 Physical Chemistry 5 semester hours ____

Select one of the following:

CH 314 Polymer Science 4 semester hours ____

CH 413 Biochemistry 3 semester hours ____

TOTAL PROFESSIONAL HOURS:44 semester hours

TOTAL HOURS FOR GRADUATION 124-128 semester hours

A second major is required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

Bachelor of Science in Education - Comprehensive Science

Biology or Earth and Space Science Concentration

MAJOR CODE: 13.1399

1. Applicable General University Requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to philosophy,
religious studies, foreign languages, art, music, theatre, and dance.

****III. Natural Sciences and Mathematics 11 semester hours**

At least 3 semester hours in precalculus algebra level or higher (select one: MTH 125 Calculus
or MTH 115 Precalculus Algebra or Trigonometry).

At least 8 semester hours in the natural sciences which must include laboratory experiences.

(Take BIO 103 Principles of Biology I and BIO 104 Principles of Biology II.

The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

Take CHM 111 College Chemistry I, CHM 112 College Chemistry II, PHY 213 General
Physics I with Calculus or PHY 201 General Physics I. Health and physical education
(3 semester hours.) Refer to the Program of Study sheet for specific course requirements.

TOTAL PRE-PROFESSIONAL COURSES HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 60-64 Semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School (Capstone course)</u>	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION HOURS:	33 semester hours	

Courses underlined require admission to the Teacher Education program.

4. **PROFESSIONAL COURSES:**

BIOLOGY

Concentration in Biology requires the following:

****Principles of Biology I, II (8 semester hours)**

BI 301 Cell Structure and Functions	4 semester hours	___
BI 302 Genetics	4 semester hours	___
BI 303 General Ecology	4 semester hours	___
Biology Elective	4 semester hours	___

CHEMISTRY

****Chemistry I or Chemistry 303 (4 semester hours)**

****Chemistry II or Chemistry 304 (2 semester hours)**

****Introduction to Organic Chemistry (CH 305) or Organic Chemistry I (CH 311) (2-4 semester hours)**

CH 324 Analytical Chemistry	4 semester hours	___
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EARTH SPACE AND SCIENCE

Concentration in Earth and Space Science requires the following:

****Astronomy or GS 300 Introduction to Astronomy (4 semester hours)**

GS 301 Atmospheric Science	4 semester hours	___
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****Physical Geography or GS 332 or GS 302 Earth Science (4 semester hours)**

****Environmental Studies or GS 321 (4 semester hours)**

GS 330 Environmental Chemistry	3 semester hours	___
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BI 303 General Ecology	4 semester hours	___
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BI 321 Conservation Biology or BI/GO 341 Biogeography

or BI 342 Economic Botany	3 semester hours	___
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Earth and Space Science Elective	2 semester hours	___
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PHYSICS

****Physics I with calculus or PY 301 (4 semester hours) **and****

****Physics II with calculus or PY 302 (4 semester hours) **or****

General Physics I (4 semester hours) **and**

General Physics II (4 semester hours)

TOTAL PROFESSIONAL HOURS: 58-60 semester hours

TOTAL HOURS FOR GRADUATION 124-128 semester hours

A second major is **not** required.

Bachelor of Science in Education - Comprehensive Science

Chemistry or Physics Concentration

MAJOR CODE: 13.1399

1. Applicable General University Requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to
philosophy, religious studies, foreign languages, art, music, theatre, and dance.

****III. Natural Sciences and Mathematics 11 semester hours**

At least 3 semester hours in precalculus algebra level or higher (Select one: MTH 125 Calculus
or MTH 115 Precalculus Algebra and Trigonometry).
At least 8 semester hours in the natural sciences which must include laboratory experiences (Take
BIO 103 Principles of Biology I and BIO 104 Principles of Biology II.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

Take CHM 111 College Chemistry I, CHM 112 College Chemistry II, PHY 213,
General Physics I with calculus.

Middle and high school education majors should select courses appropriate to their majors.

Refer to the Program of Study sheets for specific course requirements.

Health and physical education (3 semester hours).

TOTAL PRE-PROFESSIONAL HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 60-64 Semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School</u> (Capstone course)	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSES:	33 semester hours	

Courses underlined require admission to the Teacher Education program.

ED 333, 361, and 431 cannot be taken concurrently without prior approval.

4. **PROFESSIONAL COURSES:**

BIOLOGY

****Principles of Biology I, II (8 semester hours)**

BI 301 Cell Structure and Function or BI 302 Genetics or BI 303 General Ecology 4 semester hours ____

CHEMISTRY

Concentration in Chemistry requires the following:

****Chemistry I or CH 303 (4 semester hours)**

****Chemistry II or CH 304 (2 semester hours)**

****Chemistry III or CH 305 (2 semester hours)**

CH 324 Analytical Chemistry 4 semester hours ____

****Organic Chemistry I or CH 311 (4 semester hours)**

****Organic Chemistry II or CH 312 (4 semester hours)**

Chemistry Elective 4 semester hours ____

EARTH SPACE AND SCIENCE

****Introduction to Astronomy or GS 300 (4 semester hours)**

GS 301 Atmospheric Science 4 semester hours ____

****Physical Geography or GS 332 or GS 302 Earth Science (4 semester hours)**

****Environmental Studies or GS 321 (4 semester hours)**

PHYSICS

Concentration in Physics requires the following:

****Physics I with calculus or PY 301 (4 semester hours)**

****Physics II with calculus or PY 302 (4 semester hours)**

PY 303 Modern Physics 4 semester hours ____

Physics Electives 12 semester hours ____

TOTAL PROFESSIONAL HOURS: 60 semester hours

TOTAL HOURS FOR GRADUATION: 124-128 semester hours

A second major is not required.

For the student obtaining high school certification who wishes a middle school endorsement in comprehensive science, the following courses are required:

ED 413 Teaching Reading in the Intermediate Grades 3 semester hours

ED 420 Teaching Science 3 semester hours

PS 332 Child Psychology 3 semester hours

Faculty advisor approved courses from the State Department of Education approved program. Courses must be selected from each of these areas: Physics, Earth and

Space Science, Biology, Chemistry 27 semester hours

TOTAL 36 semester hours

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP DID NOT INCLUDE AT LEAST SEVEN WEEKS IN GRADES 7-8, AN ADDITIONAL SEVEN WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

Bachelor of Science in Education - History Major

MAJOR CODE: 13.1205D

1. Applicable General University Requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to
philosophy, religious studies, foreign languages, art, music, theatre, and dance.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

****IV. History, Social, and Behavioral Sciences** 12 semester hours

At least a 3 semester hour course in history* and at least six semester hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology. Students must take HIS 101 History of
Western Civilization I, HIS 102 History of Western Civilization II and 5 SH of approved AREA IV
courses.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

****V. PRE-PROFESSIONAL COURSES:**

Must take 9 SH (for 120 SH programs) or 12 SH (for 128 SH programs)
from the courses listed: HIS 201 U.S. History I and HIS 202 U. S. History II and
any 3-6 SH of History Electives.

Middle and high school education majors should select courses appropriate to their majors.

Refer to the Program of Study sheets for specific course requirements.

Health and physical education (3 semester hours).

TOTAL PRE-PROFESSIONAL HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL HOURS: 60-64 Semester hours

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School</u> (Capstone course)	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS:	33 semester hours	

Courses underlined require admission to the Teacher Education program.

ED 331, 361 and 431 cannot be taken concurrently without prior approval.

4. PROFESSIONAL COURSES:

****United States History** (6 semester hours)

****Western Civilization** (6 semester hours)

SS/HY 301 Social Science Research Methods 3 semester hours ___

HY 302 Alabama History 3 semester hours ___

American History (advisor approved) 6 semester hours ___

Non-American History (advisor approved)	6 semester hours ____
TOTAL PROFESSIONAL HOURS:	30 semester hours

A second major is required. The student must satisfy any additional General Education and/or Professional Education requirements inherent to the second major which are not stated above.

For the student obtaining high school certification who wishes a middle school endorsement in **history**, the following courses are required:

ED 413 Teaching Reading in the Intermediate Grades	3 semester hours
ED 423 Teaching Social Studies	3 semester hours
PS 332 Child Psychology	3 semester hours
Advisor approved courses from State Department of Education approved program	27 semester hours
TOTAL	36 semester hours

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP WAS NOT COMPLETED IN GRADES 7-8, AN ADDITIONAL SEVEN WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

Bachelor of Science in Education - Language Arts Major

MAJOR CODE: 13.1205E

1. Applicable General University Requirements.

2. GENERAL STUDIES CURRICULUM CORE:

****I. Written Composition 6 semester hours**

****II. Humanities and Fine Arts 12 semester hours**

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech and the remaining semester hours from the humanities and/or fine arts
which include, but are not limited to philosophy, religious studies, foreign languages,
art, music, theatre, and dance. Students must take ENG 261 English Literature I, ENG 262
English Literature II, SPH 106 Fundamentals of Speech Communication or SPH 107
Fundamentals of Public Speaking, THR 120 Theatre Appreciation or THR 126 Introduction to
Theatre.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

****V. PRE-PROFESSIONAL COURSES:**

Students must choose 9 SH (for 120 SH programs) or 12 SH (for 128 SH programs) from the courses
listed: ENG 251 American Literature I, ENG 252 American Literature II, ENG 271 World Literature I
and ENG 272 World Literature II. Middle and high school education majors should select courses
appropriate to their majors. Refer to the Program of Study sheets for specific course requirements.
Health and physical education (3 semester hours)

TOTAL PRE-PROFESSIONAL COURSE HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester hours

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School (Capstone Course)</u>	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION HOURS:	33 semester hours	

Courses underlined require admission to the Teacher Education program.

ED 333, 361, and 431 cannot be taken concurrently without prior approval.

4. PROFESSIONAL COURSES:		
**English Composition (6 semester hours)		
**Literature (18 semester hours)		
**Speech (3 semester hours)		
**Theater Appreciation (3 semester hours)		
JO 303 Journalism	3 semester hours	—
TH 311 Drama Production	3 semester hours	—
EH 312 Dramatic Literature	3 semester hours	—
EH 320 Grammar for Teachers	3 semester hours	—
SH 401 Speech: Conflict Management	3 semester hours	—
EH 414 History of the English Language	3 semester hours	—
EH 425 Shakespeare	3 semester hours	—
EH 431 Poetry and Poetics	3 semester hours	—
EH 433 Fiction	3 semester hours	—
Electives (Select at least one course from the list below:)	3 semester hours	—
EH 304 Southern Literature		
EH 307 Major Authors: Ancient to Renaissance		
EH 308 Major Authors: Renaissance to Modern		
EH 314 Nineteenth Century Studies		
EH 316 American Masterpieces		
EH 325 Myth, Ritual and Culture		
EH 413 Composition for Teachers		
EH 416 Interpreting the Text		
EH 430 Literature: The Healing Art		
EH 440 African-American Studies		
EH 450 Renaissance Literature 1550-1680		
EH 451 Restoration and the Eighteenth Century		
EH 452 Chaucer and Medieval Literature		
ED/EH 454 Seminar for Young Adult Literature		

TOTAL PROFESSIONAL HOURS: 60 semester hours

TOTAL HOURS FOR GRADUATION 124-128 semester hours

A second major is not required.

For the student obtaining high school certification who wishes a middle school endorsement in language arts, the following courses are required:

ED 321 Teaching Language Arts	3 semester hours
ED 413 Teaching Reading in the Intermediate Grades	3 semester hours
PS 332 Child Psychology	3 semester hours
Advisor approved courses from the State Department of Education approved program. Courses must be selected from each of these areas: English composition and literature, drama, journalism, speech	
TOTAL	27 semester hours
	36 semester hours

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP WAS NOT COMPLETED IN GRADES 7-8, AN ADDITIONAL SEVEN-WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

Bachelor of Science in Education - Mathematics

MAJOR CODE: 13.1205F

1. Applicable General University Requirements.

2. GENERAL STUDIES CURRICULUM CORE:

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to philosophy,
religious studies, foreign languages, art, music, theatre, and dance.

**III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

MTH 125 Calculus I, MTH 126, Calculus II, MTH 227 Calculus III. Middle and high school
education majors should select courses appropriate to their majors. Refer to the Program of
Study sheets for specific course requirements. Health and physical education (3 semester
hours)

TOTAL PRE-PROFESSIONAL COURSES: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester hours

3. PROFESSIONAL EDUCATION REQUIREMENTS:

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School</u> (Capstone course)	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION HOURS:	33 semester hours	

Courses underlined require admission to the Teacher Education program.

ED 333, 361, and 431 cannot be taken concurrently without prior approval.

4. **PROFESSIONAL COURSES:**

****Calculus I/II/III/IV (12 semester hours)**

Calculus I/II/III/IV Labs 4 semester hours ____

MA 441 Special Topics 3 semester hours ____

BASIC Programming **or** Pascal **or** FORTRAN Programming
or equivalent programming course (3 semester hours)

Linear Algebra (MA 310) (3 semester hours)

MA 314 College Geometry 3 semester hours ____

Five mathematics electives (3 semester hours each) from the following: 15 semester hours ____

MA 308 Discrete Mathematics

MA 316 Vector Analysis

MA 320 Modern Algebra

MA 401 Complex Analysis

MA 421 Differential Equations

MA 423 Numerical Analysis

MA 428 Partial Differential Equations

MA 430,431 Theory of Statistics and Probability I, II

MA 450,451 Advanced Calculus I, II

MA 452 Real Analysis

TOTAL PROFESSIONAL COURSE HOURS 43 semester hours

Students must take at least 21 semester hours of mathematics courses above MA 306 to fulfill the B.S.Ed. mathematics degree. At least 12 semester hours of the required 21 semester hours must be taken at Athens State University. All B.S.Ed. mathematics majors must maintain a 2.75 GPA in mathematics courses taken at Athens State University.

5. **Electives:** Upper-level (300-400) course work 8 semester hours ____

TOTAL HOURS FOR GRADUATION 124-128 semester hours

6. **COMPREHENSIVE EXIT EXAM**

Each B.S.Ed. mathematics major must earn a passing score on the mathematics comprehensive exit exam. Developed by the Athens State University Department of Mathematics, this exam is administered by the School of Education. Before a Class B Teaching Certificate is granted, the State Department of Education requires all students completing a B.S.Ed. mathematics major to take and pass the exam.

7. A second major is **not** required.

For the student obtaining high school certification who wishes a middle school endorsement in **mathematics**, the following courses are required:

ED 424 Teaching Mathematics in Intermediate Grades 3 semester hours

ED 413 Teaching Reading in the Intermediate Grades 3 semester hours

PS 332 Child Psychology 3 semester hours

Advisor approved courses from the State Department of Education approved program.

27 semester hours

TOTAL 39 semester hours

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP WAS NOT COMPLETED IN GRADES 7-8, AN ADDITIONAL SEVEN-WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

Bachelor of Science in Education - Social Science

MAJOR CODE: 13.1205H

1. Applicable General University Requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to philosophy,
religious studies, foreign languages, art, music, theatre, and dance.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics. Note: Some math courses are offered for 4 semester hours and some
natural science labs are often 5 semester hours. Only minimum semester hour requirements
are indicated.

****IV. History, Social, and Behavioral Sciences 12 semester hours**

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology. Students must take GEO 100 World
Regional Geography, HIS 101 History of Western Civilization I, and HIS 102 History of
Western Civilization II, and PSY 200 General Psychology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

****V. PRE-PROFESSIONAL COURSES:**

SOC 200 Introduction to Sociology

HIS 201 U. S. History I

HIS 202 U. S. History II

POL 211 American National Government

Middle and high school education majors should select courses appropriate to their majors.

Refer to the Program of Study sheets for additional specific course requirements. Health
and physical education (3 semester hours) required.

TOTAL PRE-PROFESSIONAL COURSE HOURS:

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 331 Issues in Secondary Education	3 semester hours	___
ED 333 <u>Teaching Writing and Reading in the Content Areas</u>	3 semester hours	___
ED 361 <u>Measurement and Management</u>	3 semester hours	___
ED 431 <u>Teaching in Middle School/High School</u> (Capstone course)	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS:	33 semester hours	

Courses underlined require admission to the Teacher Education program.
ED 333, 361, and 431 cannot be taken concurrently without prior approval.

4. **PROFESSIONAL COURSES:**

**Western Civilization (6 semester hours)	
**United States History (6 semester hours)	
**Macro and Micro Economics (6 semester hours)	
**American National Government or PO 304 (3 semester hours)	
**Geography (3 semester hours)	
**Sociology (3 semester hours)	
** General Psychology (3 semester hours)	
HY 302 Alabama History	3 semester hours ____
HY 308 America and the World	3 semester hours ____
SS 301 Social Science Research	3 semester hours ____
Choose two of the following:	6 semester hours ____
HY 304 Colonial and Revolutionary America	
HY 305 Nineteenth Century America	
HY 306 Twentieth Century America	
HY 309 American Civil War and Reconstruction	
Choose One Non-American History Course from the following:	3 semester hours ____
HY 333 Middle East	
HY 342 Modern Russia	
HY 414 Modern Africa or European history.	
GO 309 North America and Europe	3 semester hours
GO 310 South America, Africa and Asia	3 semester hours
EC 320 International Commerce	3 semester hours
PO 453 International Relations	3 semester hours
TOTAL PROFESSIONAL COURSE HOURS	60 semester hours

A second major is not required.

For the student obtaining high school certification who wishes a middle school endorsement in social science, the following courses are required:

ED 413 Teaching Reading in the Intermediate Grades	3 semester hours
ED 423 Teaching Social Studies	3 semester hours
PS 332 Child Psychology	3 semester hours
Advisor approved courses from the State Department of Education approved program. Course must be selected from each of these areas: Economics, Geography, History, Political Science, Sociology or Anthropology	27 semester hours
TOTAL	36 semester hours

NOTE: IF THE FOURTEEN-WEEK INTERNSHIP WAS NOT COMPLETED IN GRADES 7-8, AN ADDITIONAL SEVEN-WEEK INTERNSHIP MUST BE COMPLETED IN THOSE GRADES.

SPECIAL EDUCATION

The Special Education Program at Athens State University is designed to prepare professionals to work with students across various age levels (K-6 and 6-12) who have disabilities. The program provides pre-service training in preparation for the class "B" certificate.

Bachelor of Science in Education - Collaborative Teacher (K-6)

MAJOR CODE: 13.1001 A

1. Applicable General University Requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts, 3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours from the humanities and/or fine arts which include, but are not limited to philosophy, religious studies, foreign languages, art, music, theatre, and dance.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences. The natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

Special education majors select 12 semester hours general studies courses from Areas II-IV above.

Recommended are philosophy, sociology and psychology. Health and physical education - 3 semester hours - required.

TOTAL PRE-PROFESSIONAL COURSES: 19-23 Semester Hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester Hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours ____
ED 305 Computers and Media for Teachers	3 semester hours ____
ED 323 Teaching Reading in the Primary Grades	3 semester hours ____
ED 324 Teaching Math in the Primary Grades	3 semester hours ____
ED 413 Teaching Reading in the Intermediate Grades	3 semester hours ____
ED 476 <u>Internship in Collaborative Education (K-6)</u>	9 semester hours ____

**Human Growth and Development or PS 332 Child Psychology (3 semester hours)

SE 301 Introduction to Exceptional Learners	3 semester hours ____
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TOTAL PROFESSIONAL EDUCATION COURSE HOURS: 27 semester hours

Courses underlined require admission to the Teacher Education program.

5. **PROFESSIONAL COURSES:**

PS 406 Physiological Psychology	3 semester hours ____
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SE 315 Introduction to Cognitive and Health Disabilities	3 semester hours ____
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SE 325 Introduction to Learning and Emotional Disabilities	3 semester hours	___
SE 335 Curriculum Development and Adaptions	3 semester hours	___
SE 345 Assessment I	3 semester hours	___
SE 355 Alternative Instructional Strategies	3 semester hours	___
SE 425 Conferencing and Collaborative Techniques	3 semester hours	___
SE 435 <u>Strategies for Individuals with Severe Disabilities</u>	3 semester hours	___
SE 445 <u>Assessment II</u>	3 semester hours	___
SE 455 <u>Language and Developmental Strategies for Young Children</u>	3 semester hours	___
SE 465 <u>IEPs and Other Legal Issues</u>	3 semester hours	___
SE 495 <u>Classroom Management and Discipline</u>	3 semester hours	___
TOTAL PROFESSIONAL COURSE HOURS:	36 semester hours	

* Courses underlined require admission to the Teacher Education Program.

TOTAL HOURS FOR GRADUATION..... **124-128 semester hours**

A second major is **not** required.

Bachelor of Science in Education - Collaborative Teacher (6-12)

MAJOR CODE: 13.1001 B

1. Applicable General University Requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I. Written Composition 6 semester hours

II. Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to
philosophy, religious studies, foreign languages, art, music, theatre, and dance.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

Special education majors should select 12 semester hours from Areas II-IV above.
general studies courses. Recommended are philosophy,
sociology, psychology. Health and physical education - 3 semester hours

TOTAL PRE-PROFESSIONAL COURSE HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: .. 60-64 Semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 323 Teaching Reading in the Primary Grades	3 semester hours	___
ED 413 Teaching Reading in the Intermediate Grades	3 semester hours	___
ED 424 Teaching Math in the Intermediate Grades	3 semester hours	___
ED 478 <u>Internship in Collaborative Education (6-12)</u>	9 semester hours	___ ___
SE 301 Introduction to Exceptional Learners	3 semester hours	___

**Human Growth and Development or PS 334 Adolescent Psychology (3 semester hours)

TOTAL PROFESSIONAL EDUCATION COURSE HOURS: 27 semester hours

Courses underlined require admission to the Teacher Education program.

4. **PROFESSIONAL COURSES:**

PS 406 Physiological Psychology	3 semester hours	___
SE 315 Introduction to Cognitive and Health Disabilities	3 semester hours	___
SE 325 Introduction to Learning and Emotional Disabilities	3 semester hours	___
SE 335 Curriculum Development and Adaptions	3 semester hours	___

SE 345 Assessment I	3 semester hours	___
SE 355 Alternative Instructional Strategies	3 semester hours	___
SE 415 <u>Transition Planning and Learning Strategies for Adolescents</u>	3 semester hours	___
SE 425 Conferencing and Collaborative Techniques	3 semester hours	___
SE 435 <u>Strategies for Individuals with Severe Disabilities</u>	3 semester hours	___
SE 445 <u>Assessment II</u>	3 semester hours	___
SE 465 <u>IEPs and Other Legal Issues</u>	3 semester hours	___
SE 495 <u>Classroom Management and Discipline</u>	3 semester hours	___
TOTAL HOURS IN MAJOR	36 semester hours	

Courses underlined require admission to the Teacher Education Program.

A second major is not required.

CAREER AND TECHNICAL EDUCATION
(Class B, Secondary Professional Certification)
Meets Requirements for State Certification Levels 1-4.

Bachelor of Science in Education - Secondary Career Technical Education

MAJOR CODE: 13.1320C

1. General and Professional Education Requirements for the degree and applicable General University Requirements.
2. At least one year compensated work experience in one of the trade and industrial education technologies is required for this degree. Documentation of passing occupational certification test is required.
3. Technical Training Credit - Up to 39 semester hours maximum credit may be awarded to those who have at least 14,000 hours of work experience in the past 10 years as a wage earner in a technical enterprise relative to the teaching area, possess a high school diploma or the equivalent or be a graduate from an approved postsecondary career/technical training program, and have 3 years of work experience within 8 years immediately preceding date of application for a teaching position in a technical enterprise.

4. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours

II Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
from the humanities and/or fine arts which include, but are not limited to philosophy,
religious studies, foreign languages, art, music, theatre, and dance.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
and at least 8 semester hours in the natural sciences which must include laboratory experiences.
The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

Health and physical education (3 semester hours). See Item #3 above.

TOTAL PRE-PROFESSIONAL COURSE HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS:: 60-64 Semester hours

5. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SE 305 Meeting Needs of Exceptional Career/Technical Education Students	3 semester hours	___
CE 302 History and Principles of Career/Technical Education	3 semester hours	___
CE 432 Teaching Career/Technical Education	3 semester hours	___
CE 433 Learning Resources and Technology in Career/Technical Education	3 semester hours	___

ED 333 <u>Teaching Reading in the Content Areas</u>	3 semester hours	___
CE 440 <u>Testing and Evaluation in Career/Technical Education</u>	3 semester hours	___
ED 486 <u>Internship in High School Education</u>	9 semester hours	___ ___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS:	33 semester hours	

Courses underlined require admission to the Teacher Education program.

6. **PROFESSIONAL COURSES:**

EC 348 Labor Economics	3 semester hours	___
CE 434 Course Development and Evaluation in Career/Technical Education	3 semester hours	___
CE 435 Industrial and Shop Safety	3 semester hours	___
CE 436 Career/Technical Information and Guidance	3 semester hours	___
CE 439 Career/Technical Student Organizations	3 semester hours	___
CE 445 Functions of the Coordinator	3 semester hours	___
CE 438 Classroom/Laboratory Management and Student Leadership Development	3 semester hours	___
CE 470 Practicum - Supervised Work Experience	3 semester hours	___
CE 259 Basic Technical Specialty (Elective credit) or		
CE 279 Transfer Technical Credit	19-39 semester hours	___
TOTAL PROFESSIONAL COURSE HOURS:	43-63 semester hours	

Electives 0-6 semester hours ___

TOTAL HOURS FOR GRADUATION: **124-128 semester hours**

CAREER AND TECHNICAL EDUCATION (No Class B Certification)

Bachelor of Science in Education - Career/Technical Education

MAJOR CODE: 13.1320A

The School of Education offers a program designed to prepare instructors to serve in the trade and industrial areas of instruction in technical colleges, institutes, military installations and schools. Admission to the program is dependent upon the student's validation of an acceptable trade or technology as noted by the Department of Labor Job Code. A student who does not possess such technology may not enter the program. These programs do not lead to Class B, Secondary Professional Certification.

1. Applicable General University Requirements.
2. Technical training (up to 45 semester hours maximum credit.) Work experience credit may require validation by a state approved examination or other comparable examination of competency.
3. At least seven years of work experience in the past ten years as a wage earner in a technical enterprise relative to the teaching area.

4. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours

II Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts, 3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours from the humanities and/or fine arts which include, but are not limited to philosophy, religious studies, foreign languages, art, music, theatre, and dance.

III Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences. The natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V PRE-PROFESSIONAL COURSES:

Additional hours from approved technology courses from A.A.T. or A.A.S. degree or work experience. Health and physical education (3 semester hours). See Item #2 above.

TOTAL PRE-PROFESSIONAL COURSES: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester hours

5. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
PS 334 Adolescent Psychology or PS 335 Adult Psychology	3 semester hours	___
SE 305 Meeting Needs of Exceptional Career/Technical Education Students	3 semester hours	___
CE 302 History and Principles of Career/Technical Education	3 semester hours	___
CE 432 Teaching Career/Technical Education	3 semester hours	___

CE 433 Learning Resources and Technology in Career/Technical Education	3 semester hours	___
CE 434 Course Development and Evaluation in Career/Technical Education	3 semester hours	___
CE 435 Industrial and Shop Safety	3 semester hours	___
CE 438 Classroom/Laboratory Management and Student Leadership Development	3 semester hours	___
CE 439 Career/Technical Student Organizations	3 semester hours	___
CE 483,484,485 Practicum in Teaching Career/ Technical Education (In-service) or		
CE 487 Internship in Vocational and Technical Education (Pre-Service)	9 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS	39 semester hours	___

6. Advisor approved electives to equal minimum degree requirements. 24-25 semester hours

TOTAL HOURS FOR GRADUATION **124-128 semester hours**

Bachelor of Science in Education - Military Instructor/Staff Development
in Career Technical Education
MAJOR CODE: 13.1320B

Program components for the Bachelor of Science degree with an emphasis in Career and Technical Education include:

1. Applicable General University Requirements.
2. Technical Training (up to 39 semester hours maximum credit) published by the American Council on Education. Work experience credit may require validation by a state approved examination or another comparable examination of competency.
3. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours

II Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts,
 3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours
 from the humanities and/or fine arts which include, but are not limited to philosophy,
 religious studies, foreign languages, art, music, theatre, and dance.

III. Natural Sciences and Mathematics 11 semester hours

At least 3 semester hours in precalculus algebra level or higher
 and at least 8 semester hours in the natural sciences which must include laboratory experiences.
 The natural science disciplines include, but are not limited to, astronomy, biology, chemistry,
 geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and
 behavioral sciences. Disciplines include, but are not limited to, anthropology, economics,
 geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

V. PRE-PROFESSIONAL COURSES:

Additional hours from approved technology courses from A.A.T. or A.A.S. degree or
 work experience.

Health and physical education (3 semester hours)

See Item #2 above.

TOTAL PRE-PROFESSIONAL COURSE HOURS: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSES: 60-64 Semester hours

4. **CAREER/TECHNICAL EDUCATION COURSES REQUIRED:**

ED 300 Foundations of Education	3 semester hours	___
PS 334 Adolescent Psychology or PS 335 Adult Psychology	3 semester hours	___
SE 305 Meeting the Needs of Exceptional Vocational Education Students	3 semester hours	___
CE 302 History and Principles of Career/Technical Education	3 semester hours	___
CE 432 Methods of Teaching Career/Technical Education	3 semester hours	___
CE 433 Learning Resources and Technology in Career/Technical Education	3 semester hours	___
CE 434 Course Development and Evaluation in Career/Technical Education	3 semester hours	___
CE 435 Industrial and Shop Safety	3 semester hours	___

CE 438 Classroom/Laboratory Management and Student Leadership Development	3 semester hours	___
CE 440 Testing and Evaluation in Career/Technical Education	3 semester hours	___
CE 446 Individualizing Instruction in the Career/ & Technical Programs	3 semester hours	___
CE 483, 484, 485 Practicum in Teaching Career/Technical Ed. (Select 1)	3 semester hours	___
TOTAL COURSE HOURS	36 Semester Hours	

5. Advisor approved electives to equal minimum degree requirements. 27-28 semester hours

TOTAL HOURS FOR GRADUATION **124-128 semester hours**

PHYSICAL EDUCATION

The Physical Education curriculum at Athens State University consists of courses which meet the requirements of the State Department of Education for Class "B" Teacher Certification for the professional programs in Physical Education (N-12). A Bachelor of Science (non-certification) degree is also offered.

Bachelor of Science in Physical Education (Non-Teaching Degree)

MAJOR CODE: 13.1314B

A major in Physical Education with a Bachelor of Science Degree responds to a need to prepare professionals with expertise in fitness, sports and recreation who become employed in such areas as business, industry, service agencies, correctional institutions and hospitals.

Program components for the Bachelor of Science in Physical Education degree include:

1. Applicable General University Requirements.
2. **GENERAL STUDIES CURRICULUM CORE:**
 - I Written Composition 6 semester hours
 - II Humanities and Fine Arts 12 semester hours
A minimum of 3 semester hours in literature*, 3 semester hours in the arts, 3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours from the humanities and/or fine arts which include, but are not limited to philosophy, religious studies, foreign languages, art, music, theatre, and dance.
 - **III Natural Sciences and Mathematics 11 semester hours
At least 3 semester hours in precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences. The natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.
 - IV History, Social, and Behavioral Sciences 12 semester hours
At least a 3 semester hour course in history* and the remaining hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.
 - TOTAL GENERAL STUDIES CURRICULUM CORE COURSE HOURS: 41 semester hours**
- *Students must complete a 6 semester hour sequence either in literature or history.
- V. **PRE-PROFESSIONAL COURSES:**

Physical education majors should select courses appropriate to their majors.
Refer to the Program of Study sheets for specific course requirements.
Health and physical education (3 semester hours).

TOTAL PRE-PROFESSIONAL COURSE HOURS: 19-23 semester hours
- TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester hours**
3. **PROFESSIONAL COURSES:**

**Foundation of Physical Education (3 semester hours) or PE 326 History and Principles of P.E.
** Personal Health (2 semester hours)
** Safety and First Aid (2 semester hours)
** Anatomy and Physiology (3 semester hours)
** Physical Education Activity (3 different activity courses) (3 semester hours)

PE 320 Analysis of Team Sports 3 semester hours ____
PE 321 Analysis of Gym/Track/Field 3 semester hours ____
PE 322 Analysis of Individual Sports 3 semester hours ____

PE 323 Analysis of Rhythms and Aquatics	3 semester hours	_____
PE 333 Care and Prevention of Athletic Injuries	3 semester hours	_____
PE 325 Kinesiology	3 semester hours	_____
PE 327 Physiology of Exercise	3 semester hours	_____
PE 352 Basic CPR Instructor's Course (or advisor approved 300 or 400 level course)	3 semester hours	_____
PE 355 Health Related Fitness and Nutrition	3 semester hours	_____
PE 400 Organization and Administration of Physical Education	3 semester hours	_____
PE 401 Measurement and Evaluation of Physical Education	3 semester hours	_____
PE 431 Motor Development and Physical Activity	3 semester hours	_____
PS 332 Child Psychology	3 semester hours	_____
PS 334 Adolescent Psychology	3 semester hours	_____
PS 335 Adult Psychology	3 semester hours	_____
SO 471 Aging in a Mass Society	3 semester hours	_____
PE 480 Internship in Physical Education	9 semester hours	_____
Four courses, 300 level or above, to be taken from the following areas: Business, Psychology, Sociology or Computer Science	12 semester hours	_____
.....		_____
TOTAL PROFESSIONAL COURSE HOURS:	82 semester hours	
TOTAL HOURS FOR GRADUATION	124-128 semester hours	

A minor is not required.

Bachelor of Science in Education - Physical Education Major
N-12 Certification
MAJOR CODE: 13.1314A

Program components for the Bachelor of Science in Education degree with a major in Physical Education, N-12 certification, include:

1. Applicable General University Requirements.

2. **GENERAL STUDIES CURRICULUM CORE:**

I Written Composition 6 semester hours

II Humanities and Fine Arts 12 semester hours

A minimum of 3 semester hours in literature*, 3 semester hours in the arts, 3 semester hours of speech (SPH 106 or SPH 107) and the remaining semester hours from the humanities and/or fine arts which include, but are not limited to philosophy, religious studies, foreign languages, art, music, theatre, and dance.

****III. Natural Sciences and Mathematics** 11 semester hours

At least 3 semester hours in precalculus algebra level or higher and at least 8 semester hours in the natural sciences which must include laboratory experiences. The natural science disciplines include, but are not limited to, astronomy, biology, chemistry, geology, and physics.

IV. History, Social, and Behavioral Sciences 12 semester hours

At least a 3 semester hour course in history* and the remaining hours from the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology.

TOTAL GENERAL STUDIES CURRICULUM CORE 41 semester hours

*Students must complete a 6 semester hour sequence either in literature or history.

****V. PRE-PROFESSIONAL COURSES:**

Physical education majors should select courses appropriate to their majors. Refer to the Program of Study sheets for specific course requirements. Health and physical education (3 semester hours)

TOTAL PRE-PROFESSIONAL COURSES: 19-23 semester hours

TOTAL GENERAL CORE AND PRE-PROFESSIONAL COURSE HOURS: 60-64 Semester hours

3. **PROFESSIONAL EDUCATION REQUIREMENTS:**

ED 300 Foundations of Education	3 semester hours	___
ED 305 Computers and Media for Teachers	3 semester hours	___
ED 333 <u>Teaching Reading in the Content Area</u>	3 semester hours	___
ED 488 <u>Internship in N-12 Education</u>	9 semester hours	___
PE 401 <u>Measurement and Evaluation of Physical Education</u>	3 semester hours	___
PE 430 <u>Teaching Physical Education in the Elementary School</u> (Capstone course)	3 semester hours	___
PE 440 <u>Teaching Physical Education in High School</u> (Capstone course)	3 semester hours	___
PS 332 Child Psychology	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 Introduction to Exceptional Learners	3 semester hours	___
TOTAL PROFESSIONAL EDUCATION COURSE HOURS:	36 semester hours	

Courses underlined require admission to the Teacher Education Program.

4. **PROFESSIONAL COURSES:**

****Foundations of Physical Education** (3 semester hours) or **PE 326 History and Principles of P.E.**
(3 semester hours)

****Personal Health** (2 semester hours)

****Safety and First Aid** (2 semester hours)

****Care and Prevention of Athletic Injuries** (3 semester hours)

****Sports Officiating** (3 semester hours) or **PE 301 Theory of Coaching and Officiating** (3 semester hours)

****Physical Education Activity** (At least 3 Different Activity Courses) (3 semester hours)

****Anatomy and Physiology** (3 semester hours)

PE 320 Analysis and Teaching of Team Sports 3 semester hours ____

PE 321 Analysis and Teaching of Gym/Track/Field 3 semester hours ____

PE 322 Analysis and Teaching of Individual Sports 3 semester hours ____

PE 323 Analysis and Teaching of Rhythms and Aquatics 3 semester hours ____

PE 325 Kinesiology 3 semester hours ____

PE 327 Physiology of Exercise 3 semester hours ____

PE 350 Adaptive Physical Education and Sports 3 semester hours ____

PE 355 Health-Related Fitness and Nutrition 3 semester hours ____

PE 400 Organization and Administration of Physical Education 3 semester hours ____

PE 431 Motor Development and Physical Activities 3 semester hours ____

TOTAL PROFESSIONAL COURSE HOURS: **49 semester hours**

TOTAL HOURS FOR GRADUATION **124-128 semester hours**

A second major is **not** required.

Course Descriptions

Athens State University
Courtyard Behind Founders Hall



Accounting (AC) Courses

- AC 300 Fundamentals of Accounting. 4 Semester Hours. (Lab fee.)**
A survey of accounting concepts and the use of accounting information in financial and managerial decisions.
- AC 303 Management Decision Support Systems. 3 Semester Hours. (Lab fee.) (Also listed as MG 303.)**
Prerequisite: GBA 301.
An analysis of the nature of the decision making process and an examination of support systems. Instruction will emphasize an advanced application of spreadsheet and database management software.
- AC 321 Intermediate Accounting I. 4 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Accounting or AC 300.
A survey of the financial reporting process, a detailed study of financial statements, and an analysis of generally accepted accounting principles.
- AC 322 Intermediate Accounting II. 4 Semester Hours. (Lab fee.)**
Prerequisite: AC 321.
A review of the application of accounting theory to liability and stockholders equity balance sheet categories, culminating with a study of special purpose financial statements.
- AC 341 Governmental Accounting. 3 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Accounting or AC 300.
An introduction to fund and budgetary accounting for government and not-for-profit organizations in education, health care, and social welfare agencies.
- AC 361 Federal Tax Accounting. 3 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Accounting or AC 300.
An overview of federal tax laws and regulations applicable to individuals and sole proprietors.
- AC 371 Managerial Accounting. 3 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Accounting or AC 300.
An introduction to the preparation and interpretation of cost accounting data to be used by management in the twin entrepreneurial functions of planning and control. Job order, process, and standard cost systems will be studied in depth.
- AC 401 Auditing. 3 Semester Hours. (Lab fee.)**
Prerequisite: AC 322.
Auditing theory and practice, with emphasis given to the function of the audit in the certification of financial statements by an independent auditor.
- AC 425 Accounting Information Systems. 3 Semester Hours. (Lab fee.)**
Prerequisite: AC 322 and AC 371.
Fundamentals of information systems technology, techniques, and capabilities, particularly with respect to the use of accounting information in a computer environment.
- AC 431 Advanced Accounting. 3 Semester Hours. (Lab fee.)**
Prerequisite: AC 322.
A study of advanced accounting concepts including partnerships, foreign currency transaction, international accounting, estates and trusts, bankruptcy, and related topics.
- AC 441 Special Topics in Accounting. 3 Semester Hours. (Lab fee.)**
To be offered on occasion of student demand or need.
- AC 442 Auditing II. 3 Semester Hours. (Lab fee.)**
Prerequisite: AC 322 and AC 401.
An advanced study of auditing theory and practice.
- AC 460 Directed Study/Research in Accounting. 3 Semester Hours.**
A course designed to allow students an opportunity to perform research/directed studies in accounting. Offered at the discretion of the professor with approval of the School Dean.
- AC 461 Federal Tax Accounting II. 3 Semester Hours. (Lab fee.)**
Prerequisite: AC 361.
The application of the federal income tax law as it applies to partnerships and corporations, with emphasis on the differences which exist between financial and tax accounting.

Anthropology (AN) Courses

- AN 301 Principles of Cultural Anthropology. 3 Semester Hours.**
Presents the cultures of isolated societies studied by early 20th century anthropologists and the current effects of contacts and diffusions of the industrial and post-industrial societies on the formerly isolated cultures.

Art (AR) Courses

- AR 300 Drawing. 3 Semester Hours.**
An introduction to drawing techniques with emphasis upon developing drawing skills, perceptual abilities, and the ability to think visually and critically.
- AR 301 Painting. 3 Semester Hours. (Lab fee.)**
An introduction to basic oil painting theory and techniques and a study of the history of painting. Museum visits and critiques will be included.
- AR 310 Fine Arts Connection. 3 Semester Hours. (Lab fee.) (Education Majors Only.) (Former titles AR 309 and MU 451.)**
An integrated fine arts course that assists students in acquiring the knowledge to use the visual arts, music, and creative movement in developmentally appropriate ways in regular classroom instruction.
- AR 311 Landscape Painting and Drawing. 3 Semester Hours.**
Prerequisite: AR 300, 301 or equivalent.
The environment as a subject for drawing and painting in a variety of media. Direct study from nature.
- AR 312 Figure Drawing. 3 Semester Hours. (Lab fee.)**
Prerequisite: AR 300 or equivalent.
Emphasis upon the human figure.
- AR 313 Portrait Drawing and Painting. 3 Semester Hours. (Lab fee.)**
Prerequisite: AR 300 or permission of instructor.
Students will use a variety of media to develop skills in portraiture.
- AR 314 Painting in Water Media. 3 Semester Hours.**
Prerequisite: AR 300.
Students will use transparent and opaque water color techniques and a variety of subject matter to become more proficient as painters.
- AR 315 Ceramics I. 3 Semester Hours. (Lab fee.)**
An introduction to basic ceramic techniques with emphasis on hand-constructed ceramics. The course will include a study of the history of ceramics from pre-history to modern times.
- AR 316 Ceramics II. 3 Semester Hours. (Lab fee.)**
Prerequisite: Art Majors only.
Emphasis upon developing student skills in using the potter's wheel and in using hand-building methods to create personal forms and imagery.
- AR 317 Ceramic Sculpture. 3 Semester Hours. (Lab fee.)**
An exploration of sculptural media, particularly clay and terra cotta.
- AR 321 Set Design. 3 Semester Hours. (Lab fee.) (Also listed as EH321.)**
This course will cover the designing of a stage set from conception through mock-up, construction, and implementation. Set(s) will be designed for actual use. Material covered will be pertinent to productions ranging from children's plays to community and college theater. Course usually runs concurrently with drama production.
- AR 330 Photography I. 3 Semester Hours. (Lab fee.)**
Students will need a SLR 35mm camera with adjustable/stop, shutter speed and focus and a working internal light meter. An exploration of basic techniques in black and white photography with emphasis upon creativity and darkroom activities. The course will include criticism and aesthetics.
- AR 331 Photography II. 3 Semester Hours. (Lab fee.) (Note: This course requires the student to purchase supplies in addition to the lab fee.)**
Prerequisite: AR 330 or photography experience and consent of instructor.
Advanced theory and practice in primarily black and white photography.
- AR 340 The Visual Arts. 3 Semester Hours.**
An analysis and examination of the visual arts in terms of both stylistic development and the relationship between the visual arts and other humanistic endeavors. The development of art from pre-history to the 20th century. Students will have studio experiences and be required to make museum visits.
- AR 341 Ancient Art History. 3 Semester Hours.**
The history of art including pre-history; Egyptian, Sumerian, Assyrian, Babylonian, Persian, Early Chinese, Greek, and pre-Christian Roman art.
- AR 342 Medieval Art History. 3 Semester Hours.**
The history of art from the first century to the Renaissance, including Roman, Early Christian, the Dark Ages, Islamic, Byzantine, Romanesque, and Gothic art.

- AR 343 Renaissance Art History. 3 Semester Hours.**
The history of art from the Early Renaissance through the first part of the 19th century including the Renaissance, Mannerism, Baroque, Neo Classicism, and 19th-Century Realism and Romanticism.
- AR 401 Advanced Figure Drawing. 3 Semester Hours. (Lab fee.)**
Prerequisite: AR 312.
A continuation of Figure Drawing, building on the techniques learned in AR 312 to create a finished product.
- AR 402 Portfolio and Exhibition. 1 Semester Hour.**
Prerequisite: A required course for art majors.
Advanced students will compile a professional portfolio and hang their senior exhibition. To be taken the senior year.
- AR 403 Directed Studies in Art Research. 1 Semester Hour.**
To familiarize the students with the proper utilization of the basic reference books, abstracts, monographs, and indices for the purpose of college writing and research in the content area of art.
- AR 404 Art Studio in Photography. 3 Semester Hours.**
Prerequisite: AR 418.
This course is designed to enable the student to produce works in photography making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 405 Art Studio in Photography. 3 Semester Hours.**
Prerequisite: AR 404.
This course is designed to enable the student to produce works in photography making use of personal innovations, carefully considered form, techniques and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 406 Art Studio in Graphics. 3 Semester Hours.**
Prerequisite: AR 418.
This course is designed to enable the student to produce works in graphic art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 407 Art Studio in Graphics. 3 Semester Hours.**
Prerequisite: AR 406.
This course is designed to enable the student to produce works in graphic art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 408 Printmaking. 3 Semester Hours.**
Development of techniques in various print media.
- AR 410 Layout and Design. 3 Semester Hours.**
Prerequisite: Associate Degree in Art or equivalent.
Concepts will be covered from visualizations through finished projects. Problems in composition in commercial as well as fine arts projects will be assigned. This course is designed to produce a portfolio of finished projects.
- AR 418 Art Studio. 3 Semester Hours.**
Prerequisite: Art major/minor or permission of instructor.
Designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. This course involves a significant amount of criticism of historical and contemporary art works. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 419 Art Studio. 3 Semester Hours.**
Prerequisite: AR 418.
Designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 420 Art Studio. 3 Semester Hours.**
Prerequisite: AR 418.
Designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 423 History of Modern Art. 3 Semester Hours.**
The post-impressionist period through 1945.

- AR 424 Late Modern Art History. 3 Semester Hours.**
1945 to present.
- AR 430 Advanced Drawing and Design. 3 Semester Hours.**
Advanced concepts in drawing and composition.
- AR 441 Special Topics in Art. 1 Semester Hour.**
To be offered on occasion of student demand or need.
- AR 442 Special Topics in Art. 2 Semester Hours.**
To be offered on occasion of student demand or need.
- AR 450 Internship in Art. 3 Semester Hours.**
An internship program in which the student will receive training with a commercial enterprise relating to his or her area of experience.
- AR 460 Special Workshop. 1 Semester Hour.**
Arts and Crafts.
- AR 461 Special Workshop. 2 Semester Hours.**
Arts and crafts.

Biology (BI) Courses

- BI 301 Cell Structure and Function. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 301L. Prerequisite: Principles of Biology I, Introductory Chemistry with lab, or CH 301, or CH 303, or equivalent, or consent of instructor.
Considers molecular organization of basic cellular components, including membranes, nucleic acids, and proteins, and how these are assembled into organelles and other cellular structures. Explores mechanisms of enzyme and organelle function and coordination.
- BI 301L Cell Structure and Function Lab. 1 Semester Hour.**
Corequisite: BI 301.
- BI 302 Genetics. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 302L. Prerequisite: Principles of Biology I, Introductory Chemistry with lab, or CH 301, or CH 303, or equivalent, or consent of instructor.
Up-to-date treatment emphasizing structure, function, and regulation of genes, recombinant DNA techniques and applications, principles and patterns of Mendelian inheritance, and population genetics.
- BI 302L Genetics Lab. 1 Semester Hour.**
Corequisite: BI 302.
- BI 303 General Ecology. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 303L. Prerequisite: Principles of Biology I and II, or Plant Biology and Animal Biology, or consent of instructor.
Study of extant organisms and how they interact with one another and with their non-living environments. Interactions investigated at individual, population, community, and ecosystem levels. Qualitative, quantitative, and theoretical aspects of ecology discussed.
- BI 303L General Ecology Lab. 1 Semester Hour.**
Corequisite: BI 303.
- BI 321 Conservation Biology. 3 Semester Hours.**
A synthetic discipline addressing loss of biological diversity throughout the world, incorporating population biology, community ecology, evolution, genetics, taxonomy, paleontology, zoo management, wildlife ecology, agriculture, forestry, and elements of history, philosophy, economics, anthropology, and public policy.
- BI 322 Human Genetics. 3 Semester Hours. (Lab fee.)**
Prerequisite: Genetics (BI 302), or consent of instructor.
Presents principles of human genetics, and considers social, cultural, and ethical implications of these as applied to the human condition.
- BI 323 Human Reproduction. 3 Semester Hours.**
A comprehensive approach to human reproduction emphasizing structure and function, fertilization, prenatal development, pregnancy, birth, sexual disorders, and reproductive technology.
- BI 341 Biogeography. 3 Semester Hours. (Also listed as GO 341)**
Prerequisite: BI 303, or consent of instructor.
Presents biological aspects of geography. Designed to instill greater appreciation and awareness of man's physical environment and of mechanisms which control distribution of plants and animals on planet Earth.
- BI 342 Economic Botany. 3 Semester Hours.**
Presents important role plants have played in development of civilizations and cultures, past and present. Emphasis placed on origins of agriculture and domestication of plants, on development of early irrigation and rainfall agriculture civilizations, on importance of plants in religion, medicine, commerce, politics, and war, and on future of plants in relation to man.

- BI 410 Biochemistry. 3 Semester Hours.**
Prerequisite: CH 305 or CH 312.
 Study of proteins, carbohydrates, lipids, and other important biochemical compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations are included.
- BI 411 Invertebrate Systematics and Morphology. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 411L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.
 Inclusive and in-depth survey of invertebrate animals covering all phyla from protozoa through echinoderms. Emphasis on morphological structures characterizing each phylum, on systematic approach taken in each phylum, and on phylogenetic relationships among the various phyla.
- BI 411L Invertebrate Systematics and Morphology Lab. 1 Semester Hour.**
Corequisite: BI 411.
- BI 412 Invertebrate Development and Function. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 412L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.
 Study of developmental and functional aspects of invertebrates. Emphasis on feeding, locomotion, respiration, excretion, defense, reproduction, development, and control. All major taxonomic groups of invertebrates considered. Lab emphasis on structural-functional relationships.
- BI 412L Invertebrate Development and Function Lab. 1 Semester Hour.**
Corequisite: BI 412.
- BI 413 Vertebrate Zoology. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 413L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.
 Presents principles of vertebrate systematic biology, factors governing distribution of vertebrates, methods used by vertebrates to solve environmental problems, reproductive physiology and behavior, and population dynamics. Laboratory emphasis on identification of local vertebrates and statistical interpretation of population and community data.
- BI 413L Vertebrate Zoology Lab. 1 Semester Hour.**
Corequisite: BI 413.
- BI 414 Comparative Vertebrate Anatomy. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 414L. Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor.
 Presents functional and comparative morphology of chordates with additional emphasis on development and evolution. Lab emphasis on structural-functional relationships.
- BI 414L Comparative Vertebrate Anatomy Lab. 1 Semester Hour.**
Corequisite: BI 414.
- BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology. 4 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Biology II, and either BI 303 or BI 413, or consent of instructor.
 A course in systematic and ecological ichthyology and herpetology. Introduces diversity of fishes, amphibians, and reptiles, position and content of major groups, their classification, relationships, and basic structure, with emphasis on living representatives, particularly those of the Tennessee Valley region of North Alabama.
- BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy. 4 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Biology II, and either BI 303 or BI 413, or consent of instructor.
 A course in systematic and ecological ornithology and mammalogy. Introduces diversity of birds and mammals, position and content of major groups, their classification, relationships, and basic structure, with emphasis on living representatives, particularly those of the Tennessee Valley region in North Alabama.
- BI 424 Animal Physiology. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 424L. Prerequisite: Principles of Biology I and II, or Animal Biology, and Introductory Chemistry with lab, or CH 301, or CH 303, or equivalent, or consent of instructor.
 Examines mechanisms of various physiological processes in animals at molecular and cellular levels, including muscle and nerve action, signal transduction via hormones, operation of immune system, AIDS, tumor formation, and development of cancer.
- BI 424L Animal Physiology Lab. 1 Semester Hour.**
Corequisite: BI 424.
- BI 431 Plant Systematics and Morphology. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 431L. Prerequisite: Principles of Biology I and II, or Plant Biology, or consent of instructor.
 In-depth survey of non-vascular and vascular plants. Emphasis on morphological structures characterizing each division, subdivision, class, and subclass of plants, on systematic approach taken at each level of taxonomic hierarchy, and on phylogenetic relationships among the various groups of plants.
- BI 431L Plant Systematics and Morphology Lab. 1 Semester Hour.**
Corequisite: BI 431.

- BI 432 Plant Development and Function. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: BI 432L. Prerequisite: Principles of Biology I and II, or Plant Biology, or consent of instructor.
 Study of developmental and functional aspects of plants. Emphasis on embryology and development, physiology, genetics, reproduction, and organismal ecology. All major taxonomic groups of plants considered.
- BI 432L Plant Development and Function Lab. 1 Semester Hour.**
Corequisite: BI 432.
- BI 440 Biotechnology. 3 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Biology I, II, and BI 302.
 Laboratory-based exploration of theory and application of several techniques fundamental to biotechnology and molecular biology. Exercises include manipulation of bacterial strains, viruses and plasmids, advanced DNA cloning, Southern blotting of genomic DNA, protein purification, and polymerase chain reaction. Application of these techniques to a range of biological sciences explored.
- BI 441 Special Topic in Biology. 1 Semester Hour.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- BI 442 Special Topic in Biology. 2 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- BI 443 Special Topic in Biology. 3 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- BI 444 Special Topic in Biology. 4 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- BI 450 Research Seminar. 1 Semester Hour.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need. Affords biology major opportunity to develop and present results of laboratory and/or field research.
- BI 461 Directed Study/Research in Biology. 1 Semester Hour.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- BI 462 Directed Study/Research in Biology. 2 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- BI 463 Directed Study/Research in Biology. 3 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.

Career and Technical (CE) Courses

- CE 259 Basic Technical Specialty. 39 Semester Hours.**
 This course number designates credit awarded for the journeyman level training in a technical specialization area. Validation by completion of a nationally-recognized competency examination may be required.
- CE 279 Transfer Credit in Vocational and Technical Specialty. 39 Semester Hours. (May not be granted concurrently with CE 259).**
 This course number designates transfer credit for any vocational, career, or technical course from post-secondary vocational schools, technical colleges, technical institutes or any of the approved military programs and other schools.
- CE 302 History and Principles of Career/Technical Education. 3 Semester Hours.**
 A course designed to relate the development of vocational and technical education from historic apprenticeships to contemporary vocational and technical programs. Philosophies and principles of vocational and technical education are also reviewed.
- CE 432 Teaching Career/Technical Education. 3 Semester Hours. (Lab fee.)**
 A review of teaching strategies, procedures, audiovisual laboratory, and concrete experiences which may be used to develop specific performance objectives for instruction.
- CE 433 Learning Resources and Technology in Career/Technical Education. 3 Semester Hours. (Lab fee.)**
 Includes teaching devices and methods of application, desirable teaching facilities, motivation and development of skill, reasoning qualities, lesson planning. A computer lab is included.

- CE 434 Course Development and Evaluation in Career/Technical Education. 3 Semester Hours.**
A course designed to provide a knowledge of the problems, techniques, and procedures in the selection and organization of subject matter for instructional purposes. Each student is required to develop a two-year vocational curriculum suitable for implementation in vocational schools.
- CE 435 Industrial/Shop Safety. 3 Semester Hours.**
Identifies potential safety hazards as they pertain to vocational education shops in the schools and industrial shops. Accident prevention techniques are provided. OSHA is introduced to the student in his or her area of skill concentration.
- CE 436 Career/Technical Information Guidance. 3 Semester Hours.**
An introductory course in vocational guidance to provide the principles and techniques necessary to organize and operate vocational guidance services in the public school.
- CE 438 Classroom/Laboratory Management and Student Leadership Development. 3 Semester Hours.**
Provides a knowledge of the problems, techniques, and procedures used to maintain and manage vocational and industrial shops for instructional purposes or for manufacturing. Deals with the organization, management, and care of shops. Field experience is required.
- CE 439 Career/Technical Student Youth Organizations. 3 Semester Hours.**
Provides the procedures for establishing, implementing and operating student organization and advisory committees.
- CE 440 Testing and Evaluation in Career/Technical Education. 3 Semester Hours.**
A course designed to review the techniques and methods used to measure and interpret student achievement.
- CE 441 Special Topics in Career/Technical Education. 1 Semester Hours.**
To be offered on occasion of student demand or need.
- CE 442 Special Topics in Career/Technical Education. 2 Semester Hours.**
To be offered on occasion of student demand or need.
- CE 445 Functions of the Coordinator. 3 Semester Hours.**
Prepares the student to organize and administer the various programs in vocational education that are of a cooperative nature. Field experience is required.
- CE 446 Individualizing Instruction in the Career and Technical Programs. 3 Semester Hours.**
A study of instructional strategies and procedures for meeting the individual needs of students.
- CE 450 Practicum in Advanced Technical Studies. 3 Semester Hours.**
Prerequisite: Requires B average in case. May only take one of the following per semester: VE 450, 451, or 452. Must be in-service teacher.
Individually designed laboratory studies in a variety of state-of-the-art technologies.
- CE 451 Practicum in Advanced Technical Studies. 3 Semester Hours.**
Prerequisite: Requires B average in case. May only take one of the following per semester: VE 450, 451, or 452. Must be in-service teacher.
Individually designed laboratory studies in a variety of state-of-the-art technologies.
- CE 452 Practicum in Advanced Technical Studies. 3 Semester Hours.**
Prerequisite: Requires B average in case. Must be in-service teacher.
Individually designed laboratory studies in a variety of state-of-the-art technologies.
- CE 459 Advanced Career and Technical Specialty. 12 Semester Hours.**
This course designates credit that is to be awarded for advanced industrial or educational work experience (non-teaching) in the specialization area. No credit will be granted for work experience which does not exceed in responsibility the original level of training.
- CE 460 Directed Study/Research Vocational Education. 3 Semester Hours.**
To be offered on occasion of student demand or need. To be taken only during graduating semester with permission of Department Chair.
- CE 461 Related Training Career and Technical Education. 3 Semester Hours. (To be taken the semester before graduation.)**
Courses designed to include attendance at an approved industrial, company-operated school for the purpose of providing the vocational teacher with advanced related technical training. Courses are open to qualified teachers or individuals preparing to enter this field of teaching. Detail planning for each course will be conducted by a team of post-secondary trade and industrial teachers from throughout the state, academic deans of technical colleges, presidents of technical colleges, State Department representatives, and the academic personnel of the college. Planning relates to ED 460, also.
- CE 469 Career and Technical Specialty. 3 Semester Hours.**
Prerequisite: Limited to In-Service Teachers.
Three semester hours of credit may be awarded for each year of documented vocational specialty teaching experience verified by the director or supervisor in vocational and technical school. A limit of six semester hours credit is granted. Only three semester hours may be earned for a 12-month period. This teaching experience must have been supervised and evaluated and may be from an approved military school, industrial and business school, proprietary school, or public vocational school at either the secondary or post-secondary level.

- CE 470 Practicum-Supervised Work Experience. 3 Semester Hours. (Lab fee.)**
Prerequisite: Admission to the Teacher Education Admission Program.
 College/University supervised work experience in a program area work setting. Consult with advisor before enrolling.
- CE 471 Practicum-Supervised Work Experience. 3 Semester Hours. (Lab fee.)**
Prerequisite: Admission to the Teacher Education Admission Program.
 College/University supervised work experience in a program area work setting.
- CE 472 Practicum-Supervised Work Experience. 3 Semester Hours. (Lab fee.)**
Prerequisite: Admission to the Teacher Education Program.
 College/University supervised work experience in a program area work setting.
- CE 483 Practicum in Teaching Vocational and Technical Education. 3 Semester Hours.**
Prerequisite: VE 434.
 A series of studies designed to expand the current teaching skills of in-service teachers of technical subjects. These courses may not be substituted.
- CE 484 Practicum in Teaching Vocational and Technical Education. 3 Semester Hours.**
Prerequisite: VE 432.
 A series of studies designed to expand the current teaching skills of in-service teachers of technical subjects. These courses may not be substituted.
- CE 485 Practicum in Teaching Vocational and Technical Education. 3 Semester Hours.**
Prerequisite: VE 440.
 A series of studies designed to expand the current teaching skills of in-service teachers of technical subjects. These courses may not be substituted.
- CE 487 Internship Vocational/Technical Education (Pre-service.) 9 Semester Hours.**
 A course which provides an opportunity for prospective teachers to observe and implement instruction in a technical college setting under the guidance of a cooperating teacher. Participation in the full-school program is required.

Chemistry (CH) Courses

- CH 301 Introductory Chemistry. 3 Semester Hours. (Lab.) (Lab fee.)**
Prerequisite: Precalculus Algebra.
 Basic chemistry for science majors. Emphasis on elementary concepts of atomic theory, thermodynamics, kinetics, acids, bases, and equilibrium. Course will not serve as upper-level chemistry for science majors nor as substitute for CH 303.
- CH 301L Introductory Chemistry Lab. 1 Semester Hour.**
Corequisite: CH 301.
- CH 303 Chemistry I. 3 Semester Hours. (Lab fee.)**
Corequisite: CH 303L. Prerequisite: Precalculus Algebra.
 Study of chemical principles important to student of scientific technologies. Topics include atomic theory, the periodic table, thermochemistry, gases, solids, and liquids.
- CH 303L Chemistry I Lab. 1 Semester Hour.**
Corequisite: CH 303.
- CH 304 Chemistry II. 2 Semester Hours. (Continuation of CH 303.)**
Prerequisite: General Chemistry I, or CH 303.
 Topics include kinetics, equilibrium, and acids and bases.
- CH 305 Chemistry III: Introductory Organic Chemistry. 2 Semester Hours. (Lab.) (Lab fee.)**
Prerequisite: General Chemistry I, II, or CH 303, 304.
 Introduction to organic molecules and their functional groups. Some characteristic reactions also included. Course is not required prerequisite for CH 311 and may be omitted if CH 311, 312, 313 sequence is to be taken.
- CH 311 Organic Chemistry I. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: CH 311L. Prerequisite: General Chemistry I, II, or CH 303, 304.
 Basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions, with emphasis on theory and mechanisms of reaction. Laboratory includes organic qualitative analysis.
- CH 311L Organic Chemistry I Lab. 1 Semester Hour.**
Corequisite: CH 311.
- CH 312 Organic Chemistry II. 3 Semester Hours. (Lab.) (Lab fee.)**
Corequisite: CH 312L. Prerequisite: CH 311.
 Basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions, with emphasis on theory and mechanisms of reaction. Laboratory includes organic qualitative analysis.

CH 312L Organic Chemistry II Lab. 1 Semester Hour.

Corequisite: CH 312.

CH 314 Polymer Science. 3 Semester Hours. (Lab.) (Lab fee.)

Corequisite CH 314L. Prerequisite: CH 305, or 311.

Study of synthesis, characterization, testing, and reactions of polymers, including step-reaction polymerization, ionic chain reactions, free radical chain polymerization, co-polymerization, and inorganic polymers, in addition to effects of additives and fillers.

CH 314L Polymer Science Lab. 1 Semester Hour.

Corequisite CH 314.) Prerequisite: CH 305, or 311.

CH 324 Analytical Chemistry. 4 Semester Hours. (lab.) (Lab fee.)

Prerequisite: General Chemistry I, II, or CH 303, 304.

Classical volumetric techniques in chemical analysis, modern methods of chemical separation, and basic instrumentation techniques.

CH 330 Environmental Chemistry. 3 Semester Hours. (Lab fee.) (Also listed as GS 330)

Study of natural chemical processes of Earth and actual and possible effects of humans on natural chemical systems. Environmental problems such as air and water pollution, ozone depletion, and global warming discussed. Also may include introduction to some methods of environmental analysis and pertinent environmental regulations.

CH 410 Instrumental Analysis. 3 Semester Hours. (Lab fee.)

Corequisite: CH 410L. Prerequisite: CH 305, 324.

Theoretical application of modern instrumentation to problems in analytical chemistry. Optical, electro-chemical, and other instrumentation techniques covered.

CH 410L Instrumental Analysis Lab. 1 Semester Hour.

Corequisite: CH 420. Prerequisite: CH 305, 324.

Practical application of modern instrumentation to problems in analytical and environmental chemistry.

CH 413 Biochemistry. 3 Semester Hours.

Prerequisite: CH 305, or CH 311.

Study of proteins, carbohydrates, lipids, and other important biochemical compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations included.

CH 420 Intermediate Inorganic Chemistry. 3 Semester Hours.

Prerequisite: General Chemistry I, II, or CH 303, 304.

Atomic structure, bonding, trends in the periodic table, and coordination chemistry. Also may include catalysis, group theory, and structure and properties of solids of bio-inorganic chemistry.

CH 430 Physical Chemistry I. 4 Semester Hours. (Lab.) (Lab fee.)

Corequisite: CH 430L. Prerequisite: General Chemistry I, II, or CH 303, 304, and MA 304, and PY 303.

Application of laws of physics and mathematics to study of thermodynamics, equilibria, and kinetics.

CII 430L Physical Chemistry I Lab. 1 Semester Hour.

Corequisite: CH 430.

Laboratory includes introduction to working with personal computers and spreadsheet programs.

CH 431 Physical Chemistry II. 3 Semester Hours. (Lab.) (Lab fee.)

Corequisite 431L. Prerequisite: CH 430, 420, or consent of instructor.

Application of laws of physics and mathematics to study of quantum chemistry, molecular structure, and spectroscopy. Laboratory includes experience with computer programs pertinent to chemistry.

CII 431L Physical Chemistry II Lab. 1 Semester Hour.

Corequisite: CH 431.

CII 441 Special Topic in Chemistry. 3 Semester Hours.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

CII 442 Special Topic in Chemistry. 4 Semester Hours.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

CH 461 A Directed Study/Research in Chemistry. 1 Semester Hour.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need. (Course may consist of instrumentation internship that may be substituted for CH 410L.)

CII 462 Directed Study/Research in Chemistry. 2 Semester Hours.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

CII 463 Directed Study/Research in Chemistry. 3 Semester Hours.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

Computer Information Systems Courses (CIS)

CIS 325 Decision Support Systems. 3 Semester Hours. (Lab fee.)

Prerequisite: Any introduction to computers course in which spreadsheet tools were covered.

Course will evaluate design and implementation of computer information systems for solving semi-structured and unstructured problems. Provides introduction to concepts, structure, and capabilities of decision's support (DSS), executive information (EIS), and expert systems (ES). Principles and techniques of decision theory, computer modeling, and system architecture and construction covered. Students will apply principles learned to project using DSS development tools and techniques.

CIS 365 Visual Application Development. 3 Semester Hours. (Lab fee.)

Prerequisite: Introductory computer course.

Course introduces student to programming in visual, event-driven environments. Students learn concepts of visual programming and underlying design principles. Emphasis placed on design of user interfaces, on-line documentation, input, and output components including menus, forms, queries, and reports. Students will prototype, code, test, and package an application in state-of-the-art visual programming environments.

CIS 420 Business Applications Programming. 3 Semester Hours. (Lab fee.)

Prerequisite: CS 314, and COBOL Programming.

Structured program design and programming of business applications using procedural language (e.g., COBOL). Covers table handling, hierarchical data structures, file handling (sequential, indexed, relative), and program structure documentation and maintenance. Programming projects stress development of significant business applications.

CIS 440 Database Systems. 3 Semester Hours. (Lab fee.)

Prerequisite: CS 314.

Introduces database systems, and their utilization and implementation. Concepts studied include organization, communications, integrity and security. Relational, network, and object-oriented database organizations compared. Formal requirements of relational model and their utilization in distributed client/server environments presented.

CIS 450 Human-Computer Interaction. 3 Semester Hours. (Lab fee.)

Prerequisite: CIS 365.

Course covers interaction between modern computer interfaces and system users. Examines user diversity and impact on design of user interfaces, techniques for task analysis, and methods for using usability tests to evaluate effectiveness of human-computer dialogs. Emphasis on integration of human-computer interaction principles into software engineering life cycle. Application of principles to prototype various styles of user interfaces.

Computer Networking (CN) Courses

CN 301 Networking Fundamentals. 2 Semester Hours. (Lab fee.)

Prerequisite: Any two computer classes.

Recommended background: experience installing and using computer systems such as Windows 95/98/NT plus experience installing application software. Introduces student to underlying concepts of data communication, telecommunications, and networking. Focuses on terminology and technologies in current networking environments. Provides general overview of field of networking as basis for continued study in field.

CN 302 Local Area Networks. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 301.

Presents latest concepts of local area network (LAN) technologies. Provides comprehensive introduction to concepts, technologies, components, and acronyms inherent in today's local networking environments.

CN 303 Wide Area Networks. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 302.

Provides conceptual and working knowledge of how LANs communicate over wide area. Introduces telephony and technology of switched-voice communications. Provides understanding of how communication channels of public switched-telephone networks are used for data communication and how voice data communication have become integrated.

CN 304 Network Architectures. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 302.

Outlines three important networking architectures in today's corporate environments: TCP/IP, SNA, and DNA. Major components and functions of each of these architectures discussed, as well as methods used to connect different architectures. Provides concepts important to field of systems integration and conceptual basis for understanding network architecture.

CN 401 Internetworking Devices. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 302.

Advanced course intended for networking professionals and students who already grasp general concepts of data communications and networking but would like more detailed understanding of internetworking. Presents techniques and components for managing network growth and connecting disparate network architectures and develops solutions to internetworking problems.

CN 402 The Internet. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 302.

Familiarizes student with operation and function of Internet. Covers underlying components and protocols that make up Internet and services provided. Internet tools used to illustrate concepts. Provides concepts necessary to establishing and maintain Internet connectivity. Examines tools used to navigate and access information on Internet.

CN 403 Network Processes and Protocols. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 304.

Advanced course intended for networking professional and students who grasp basic concepts of networking but would like to understand, in more detail, some of the major protocols controlling flow of information between data communication layers and between cooperating processes on network nodes. Trace and analysis tools used to analyze frames and packets traversing a network.

CN 404 Enterprise Network Design and Management. 2 Semester Hours. (Lab fee.)

Prerequisite: CN 304.

Advanced course intended for networking professional and students who grasp basic concepts of networking but would like to understand methods used to analyze, design, and manage LANs and point-to-point networks. Exercises geared toward learning techniques used to design and analyze networks.

Cooperative Education (CP) Courses

Prerequisite: A minimum overall grade point average of 2.5 and prior approval of the Co-op Education Office. Courses must be taken in sequential order.

CP 301 Co-op Practicum I. 1 Semester Hour.

Co-op Work Experience. This is the first in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and content of a descriptive report submitted by the student.

CP 302 Co-op Practicum II. 1 Semester Hour.

Co-op Work Experience. The second in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student.

CP 303 Co-op Practicum III. 1 Semester Hour.

Co-op Work Experience. The third in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student.

CP 304 Co-op Practicum IV. 1 Semester Hour.

Co-op Work Experience. The fourth in a series of courses wherein students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student.

CP 305 Co-op Practicum V. 1 Semester Hour.

Co-op Work Experience. The fifth in a series of courses wherein the students work on a part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student.

CP 306 Co-op Practicum VI. 1 Semester Hour.

Co-op Work Experience. The sixth in a series of courses wherein the students work on part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student.

CP 307 Co-op Practicum VII. 1 Semester Hour.

Co-op Work Experience. The last in a series of courses wherein the students work on part-time basis in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a descriptive report submitted by the student.

CP 401 Work Experience I. 2 Semester Hours.

Co-op Work Experience. The first in a series of courses wherein the student works on a full-time basis in a job related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 402 Work Experience II. 2 Semester Hours.

Co-op Work Experience. The second in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 403 Work Experience III. 2 Semester Hours.

Co-op Work Experience. The third in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 404 Work Experience IV. 2 Semester Hours.

Co-op Work Experience. The fourth in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 405 Work Experience V. 2 Semester Hours.

Co-op Work Experience. The fifth in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 406 Work Experience VI. 2 Semester Hours.

Co-op Work Experience. The sixth in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 407 Work Experience VII. 2 Semester Hours.

Co-op Work Experience. The seventh in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 408 Work Experience VIII. 2 Semester Hours.

Co-op Work Experience. The Fifth in a series of courses wherein the student works on a full-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of student productivity and content of descriptive reports submitted by the student.

CP 410 Co-op Work Experience. 1 Semester Hour.

A course wherein the student works a minimum of 20 hours in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a report submitted by the student.

CP 411 Co-op Work Experience. 2 Semester Hours.

A course wherein the student works a minimum of 20 hours in a job directly related to their academic major. Grade will be based on the employer's evaluation of student productivity and content of a report submitted by the student.

Computer Science (CS) Courses

CS 309 Introduction to Digital Logic Design. 3 Semester Hours. (Lab.) (Lab fee.)

Corequisite CS 309L, MA 308 or consent of instructor.

Comprehensive introduction to Boolean Algebra and methods for designing circuits which implement Boolean expressions. Topics include binary numbers and codes, axioms and theorems of Boolean Algebra, standard algebraic forms of Boolean expressions, use of methods such as Karnaugh Maps and the Quine-McCluskey procedures for simplification of Boolean expression, analysis and design of combinational and sequential circuits, register operations, and introduction to fault tolerance design.

CS 309L Digital Design Lab. 0 Semester Hours.

Corequisite CS 309, MA 308, or consent of instructor.

CS 312 Computer Programming I (Pascal I). 3 Semester Hours. (Lab fee.)

Prerequisite: Pre-calculus Algebra, and introductory computer course.

Introduction to structured programming problem solving techniques using top-down design with procedures and functions. Use of following Pascal statements and structures: If .. Then, For, While, Repeat .. Until, Case, Arrays, Strings, and Text files. Course requires hands-on development of Pascal programs.

CS 314 Computer Programming II (Pascal II). 3 Semester Hours. (Lab fee.)

Prerequisite: CS 312, or advanced placement.

Course continues use of Pascal structured data types arrays, records, and arrays of records. Emphasis on referencing complex structures and basic algorithms for searching and sorting. Introduces concepts of abstraction and software engineering as well as analysis of algorithms. Presents techniques for pointers and recursion and introduces abstract structures and linked lists. Students required to demonstrate understanding of each concept through programming exercises.

CS 316 ADA Programming. 3 Semester Hours. (Lab fee.)

Prerequisite: CS 314.

Introduction to basic concepts of ADA language including conceptual overview and introduction to design rationale. Discussion of terminology, data types and ADA data typing rules, object declarations and rules of object visibility, functions, and subprograms. Brief discussion of concepts of data abstraction, packages, and task.

- CS 317 C++ Programming. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 312, or consent of instructor.
 Introduction to C++ programming language and its use as system's programming language, including use of standard system and file manipulation functions, and dynamic memory allocation. Basic data types, including numeric and bit types, basic operators, statements and control flow, pointers, structures, and use of binary and text I/O.
- CS 330 Scientific Programming. 3 Semester Hours. (Lab fee.)**
Prerequisite: MA 308. Introduction to computer applications in scientific research using FORTRAN language. Includes numeric and non-numeric applications, use of top-design, subroutines, file manipulation, basic data types, and arrays. Introduces development of simple and complex formatting for input and/or output.
- CS 340 Introduction to Assembly Language. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 309, 314.
 Introduction to assembly language programming and architecture and organization of computers based on specific microprocessor family. Topics include assembling, linking, and running programs, debugging, flags and operations, jumps and loops, program development, text and tables, addressing modes and instruction encoding, modular programming, macros and conditional assembly, disk files and other topics.
- CS 355 Data Organization and File Processing. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 314.
 Review of data structures including linked lists and binary trees. Introduction to AVL trees, B-trees, and B+-trees, indexing, simple index structures, inverted lists, hashing, and multi-key files. Basic algorithms and data structures for modern file structures (e.g., ISAM, VSAM).
- CS 372 Data Structures. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 314. (Student who completed CS 314 prior to Fall Quarter 1997 should not take this course.)
 Continuation of CS 314 stressing concepts of abstraction, software engineering, and analysis of algorithms. Introduces stacks, queues, and trees, and presents problems and algorithms using these advanced data structures. Explains more efficient searching and sorting algorithms. Students required to show understanding of each of concept through programming assignments. While Pascal is used to present algorithms, with instructors permission, student may use other programming language to complete assignments.
- CS 409 Computer Organization and Assembly Language Programming. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 309, and MA 308.
 Comprehensive study of architecture of hypothetical digital computer. Presents an overview of computer architecture and detailed design of each major functional subsystem. Covers structure and operation of assemblers. Programming assignments to be written in representative assembly language.
- CS 414 Programming Language. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 409.
 In-depth study of similarities and differences of modern programming languages (e.g., Pascal, FORTRAN, C, Ada, and LISP). Emphasis on implementation of basic language features and on choice of language most appropriate for given problem. Programming assignments require use of unique features of various languages.
- CS 415 Computer Systems Software. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 317, 409.
 Detailed study of principles of systems programming including operating systems, compilers, language translators, assemblers, and interpreters. Covers compiler construction and implementation techniques. Reviews computer hardware, and its support of functions of operating system.
- CS 417 Object Oriented Applications. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 317.
 Development of applications using object-oriented methods and design concepts. Explores languages and systems for object-oriented development and programming environments. Advanced C++ programming techniques utilized in development of object-oriented class assignments.
- CS 423 Computer Graphics. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 312, and MA 308.
 Introduction to basic concepts and tools of computer graphics. Discussion of software control of graphic devices. Review of coordinate systems, vectors and matrix algebra, and transformations on pictures. Basics of drawing curves and elementary geometric figures. Introduction to windowing and clipping three dimensional graphics.
- CS 441 Special Topic in Computer Science. 1 Semester Hour.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.
- CS 442 Special Topic in Computer Science. 2 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.

- CS 443 Special Topic in Computer Science. 3 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.
- CS 451 Software Engineering. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 314, 317; CIS majors also must complete CIS 365, 440.
 Focuses on development of software-intensive systems with emphasis on processes, methods, and tools required to build high-quality software applications. Process-oriented, data-oriented, and object-oriented system life-cycle models studied and compared. Student will apply principles learned to plan, analyze, and design reliable, cost-effective, and easily maintained software.
- CS 452 Senior Software Engineering Project. 4 Semester Hours. (Lab fee.)**
Prerequisite: CS 451, Senior standing, and consent of instructor.
 Provides student with opportunity to apply knowledge and skills mastered in computer science discipline through development of complex software projects. Emphasis on concept of software development teams to create project plans, software requirements, design specifications, test plans, and other written documentation for selected software application. Student software teams also develop code, test, and integrate software according to requirements and design specifications produced. Technical walk-throughs and software demonstrations required upon completion of numerous milestones. Additional to regularly scheduled class meetings, software teams will be required to attend supervised computer lab sessions for a minimum of 1 1/2 hours per week to develop assigned software systems.
- CS 460 Directed Study/Special Computer Science Projects. 1 Semester Hour.**
Prerequisite: 15 semester hours of upper level computer science coursework, and consent of instructor.
 Designed to enable computer science major to pursue special project of interest both to student and instructor. Project undertaken may be continuation of project begun in another course.
- CS 461 Directed Study/Special Computer Science Project. 2 Semester Hours.**
Prerequisite: 15 semester hours of upper level computer science coursework, and consent of instructor.
 Designed to enable computer science major to pursue special project of interest both to student and instructor. Project undertaken may be continuation of project begun in another course.
- CS 462 Directed Study/Special Computer Science Project. 3 Semester Hours.**
Prerequisite: 15 semester hours of upper level computer science coursework, and consent of instructor.
 Designed to enable computer science major to pursue special project of interest both to student and instructor. Project may be continuation of project begun in another course.
- CS 472 Data Structures and Algorithm Analysis. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 314 and MA 308 and either CS 316 or CS 317.
 Introduction to classic methods for designing algorithms. Specific problems (e.g., sorting, graph traversals, matrix multiplication) illustrate these methods. Methods studied include Divide and Conquer, Back-Tracking, Branch and Bound, and Dynamic Programming. Includes brief introduction to computational complexity.
- CS 474 Introduction to Formal Language Theory. 3 Semester Hours. (Lab fee.)**
Prerequisite: CS 462 and MA 320.
 Formal definition of programming languages. Examples of formal grammars, including methods for language parsing, study of regular and context-free languages, and definitions of automata and their relation to formal language definitions. Other topics include Chomsky hierarchy, Church-Turing thesis, and theory of computability.

Economics (EC) Courses

- EC 310 Modern Economics. 3 Semester Hours. (Also listed as SS 310.)**
 A macro examination of the operation of modern economic systems including price determination, aggregate demand and supply theory, public policy options, and the philosophical foundations of free market and command systems.
- EC 311 Economic Geography. 3 Semester Hours. (Also listed as GO 311.)**
 Analysis of the origins, nature and distributions of man's economic activities over the world. Elementary models of economic patterns, processes, and relationships in geographic space are stressed and the relation of these factors to the present position of the nations of the world is emphasized.
- EC 320 Introduction to International Commerce. 3 Semester Hours. (Also listed as PO 320.)**
 Examines the international economic system and the challenges faced by multinational corporations in the conduct of international business. Special attention is given to the mechanics of importing and exporting, international finance, and private international law.
- EC 321 Money and Banking. 3 Semester Hours. (Also listed as SS 321.)**
Prerequisite: Principles of Economics.
 A study of how money, credit, and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of interest rate determination, and recent trends in banking.
- EC 348 Labor Economics. 3 Semester Hours.**
 Introduction to labor in the economy and the relationships among workers, management, labor organizations, and public policy.

EC 441 Special Topics in Economics. 3 Semester Hours.

To be offered on occasion of student demand or need.

EC 460 Directed Study/Research in Economics. 3 Semester Hours.

A course designed to allow students an opportunity to perform research/directed studies in economics. Offered at the discretion of the professor with approval of the School Dean.

Education (ED) Courses

ED 300 Foundations of Education. 3 Semester Hours.

This survey course is designed for the student who expects to prepare for the teaching profession and includes principles, history, philosophy, and trends in education. Two full days of field experiences are required.

ED 302 Theories and Stages in Language Development. 3 Semester Hours.

This course is designed to familiarize the student with language acquisition and theory including phonology, syntax, semantics and pragmatics with emphasis on the varied home, cultural and school influences in language and literacy development.

ED 303 Professional Education Communication. 1 Semester Hour.

This elective course is designed to facilitate the acquisition of professional attributes and to improve oral and written communication skills by refining study and research skills, using professional vocabulary, sharing research findings about educational trends and issues, and writing lesson plans. Practice in oral and written language usage will occur through writing and speaking about current educational concerns. Can be repeated for up to 3 hours credit.

ED 305 Computers and Media for Teachers. 3 Semester Hours. (Lab fee.)

This course is designed to assist prospective teachers to acquire knowledge of technology available to enhance the teaching of the curriculum, including the Alabama Course of Study and textbooks currently used in N-12. The focus of this course includes development of basic knowledge and skills in instructional design, selection of appropriate technology, and applications in all areas of the curriculum N-12. This course has a computer laboratory experience.

ED 306 Computers: A Tool for Teaching. 1 Semester Hours. (Lab fee.)

Prerequisite: Fundamental computer concepts.

This elective course is designed to increase the student's ability to use computers in the classroom. Demonstrations and hands-on experiences will include computers with peripheral devices such as scanners, laser discs, CD-ROM, Presenter Plus, still cameras, modems, and multimedia hardware.

ED 310 Principles of Early Childhood Education. 3 Semester Hours.

This course, designed for Early Childhood Education majors (P-3), will provide prospective teachers of young children with the historical, theoretical, and practical issues of early childhood education. Emphasis is on early childhood philosophical and sociological foundations, facets of development, principles of learning, trends and issues, and program models. Field experiences are required.

ED 312 The Child in a Diverse Society. 3 Semester Hours. (Formerly titled as Child and Society.)

This course is designed to assist prospective teachers to develop understanding and appreciation of various social and ethnic groups and their cultures including the impact of these cultural phenomena on the education process. Field experience is required.

ED 315 Principles of Teaching Young Children. 3 Semester Hours.

This is a course designed to teach Elementary Education majors (K-6) appropriate methodology specifically for kindergarten. This course includes developmental characteristics of five-year-old children with emphasis on language and intellectual development. The course will provide theoretical and philosophical bases for selecting materials and methods for a developmentally appropriate kindergarten curriculum. Implications for equipment selection, room arrangements, daily schedules, and learning experiences are discussed. One and one-half days of field experiences are required.

ED 318 Literature in Early Childhood Education. 3 Semester Hours.

This course has a two-fold purpose. As a survey course, it is designed to assist preservice teachers in becoming acquainted with the great wealth of trade books available for today's young children. An equally important purpose is to assist pre-service teachers so they may guide young children toward more creative, insightful utilization of literary materials in a classroom setting.

ED 320 Children's Literature. 3 Semester Hours.

This is a survey course of current and traditional prose and poetry thought to be applicable to diverse populations of children. Emphasis is placed on the integration of children's literature throughout the curriculum. Field experience is required.

ED 321 Teaching Language Arts. 3 Semester Hours.

A course designed to teach appropriate methodology for all areas of language arts with an emphasis on effective teaching of written composition in the elementary grades. Course reflects the integrative nature of the language arts; the need for wholeness; the importance of being able to transfer skills, abilities, and attitudes learned in one context to another. Field experiences in selected elementary schools are required.

ED 323 Teaching Reading in the Primary Grades. 3 Semester Hours. (Formerly titled Reading I: Materials and Methods of Teaching Beginning Reading.)

An in-depth study of early literacy development; word identification strategies including phonics, structural analysis, contextual analysis, and whole word methodology; various approaches to reading including the language experience and basal reader approaches and the uses of computers in the reading/writing program. Two full days of field experiences in selected elementary schools is required.

- ED 324 Teaching Mathematics in Primary Grades. 3 Semester Hours.** (Formerly titled Teaching Mathematics to the Young Child.)
A course designed to assist prospective teachers of young children in presenting early mathematical concepts and skills. Application of psychological principles to the teaching and learning of mathematics are included. Field experiences in K-3 math classes in selected elementary schools are required.
- ED 331 Issues in Secondary Education. 3 Semester Hours.** (Formerly titled Professional Education for Teaching Middle/High School.)
This beginning education course is designed to facilitate the acquisition of professional attributes and to improve oral and written communication skills by refining study and research skills, using professional vocabulary, sharing research findings about educational trends and issues, and writing lesson plans. Attributes and dispositions will be articulated, defined, and modeled. These dispositions will be encouraged in oral presentations and collegial interactions. Practice in oral and written language usage will occur through writing and speaking about current educational concerns. Field experiences are required.
- ED 333 Teaching Writing and Reading in the Content Areas. 3 Semester Hours.**
Prerequisite: Admission to the Teacher Education Program.
A course designed for teachers of students in middle school and high school to develop creative instructional strategies to promote reading comprehension, vocabulary development, and study strategies in the fields of humanities, social sciences, natural sciences, physical education, math, learning disabilities, and vocational education. Field experiences are required.
- ED 350 Administering and Managing Early Childhood Programs. 3 Semester Hours.**
Prerequisite: Admission to Teacher Education Program, Senior Standing.
This course should be taken the semester prior to internship. It is designed to provide future administrators of childcare programs with a knowledge of the factors that influence quality programs which include: program philosophy, policies and evaluation; assessing, recording, and reporting children's progress; scheduling; nutrition and health services; home and school collaboration; administrative organization and regulations; managing personnel; organizing the physical environment; financing and budgets; and contributing to the profession.
- ED 361 Measurement and Management. 3 Semester Hours.**
Prerequisite: Admission to the Teacher Education Program.
Course designed to provide future teachers with the skills and attitudes necessary to create a positive learning environment and assist them in being able to develop and implement proper evaluative techniques and give direction to pupil growth and development. Field experiences are required.
- ED 400 Reading Strategies. 1 Semester Hour.**
This elective course is designed to prepare in-service teachers to implement current reading strategies in order to raise comprehension skills of students in K-12.
- ED 406 Computers For Teacher Productivity. 1 Semester Hour. (Lab fee.)**
Prerequisite: Fundamental computer concepts.
This elective course will focus on increasing the student's ability to use computers as an organizational professional tool to assist in operating a modern classroom. Topics include lesson planning, grade books, test generators, presentation programs, desktop publishing, draw and paint programs, research programs, schedule and calendar programs.
- ED 413 Teaching Reading in Intermediate Grades. 3 Semester Hours. (Lab fee.)** (Formerly titled Materials and Methods of Teaching Reading Comprehension.)
Prerequisite: ED 323 (except Middle School endorsement) and Admission to the Teacher Education Program.
Utilization of metacognitive strategies; instructional decision-making; and critical thinking to develop reading comprehension processes, to assist at-risk readers, and to foster the enjoyment of reading through literature-based approaches. This is a Candidate Assisted Practice Site (C.A.P.S.) course and is conducted on-site or requires a minimum of 16 hours of teaching on-site in selected elementary schools. In addition, one hour of instructing a child and additional time for planning and reflecting are required in a 3:00-6:00 time frame one afternoon per week for 10 weeks. The student will use a portfolio management system, trade books, computers, current curriculum resources, and teacher-made materials to instruct a child. At the culmination of the clinical cycle, the student will conduct a parent conference.
- ED 420 Teaching Science. 3 Semester Hours. (Lab fee.)**
Prerequisite: Admission to the Teacher Education Program.
A course designed to provide a study of the science concepts for elementary education. Emphasis is placed on materials and methods, processes of discovery, and the role of children as investigators. Students are required to teach a lab-based lesson in class and conduct two activities. Field experiences are required.
- ED 423 Teaching Social Studies. 3 Semester Hours.**
Prerequisite: Admission to the Teacher Education Program.
A presentation of instructional materials, resources and strategies to be used for teaching social science concepts from the disciplines of economics, geography, history, political science, psychology, and sociology to children in the elementary school. Ten (10) hours of volunteer service with social service agencies, including those available to children within the community, are required while enrolled in this course.
- ED 424 Teaching Mathematics in Intermediate Grades. 3 Semester Hours. (Lab fee.)**
Prerequisite: ED 324 (no prerequisite for middle school endorsement).
A course designed to provide study of the mathematics skills and concepts in grades 4-8 with an emphasis on materials and methods of instruction. In addition, one hour of instructing a child and additional time for planning and reflecting are required in a 3:00-6:00 p.m. time frame one afternoon per week. The student will use a portfolio management system, trade books, computers, current curriculum resources, and teacher-made materials to instruct a child. At the culmination of the clinical cycle, the student will conduct a parent conference. Field experiences in selected elementary schools are required.

- ED 431 Teaching in Middle/High School. 3 Semester Hours.**
Prerequisite: Admission to the Teacher Education Program.
 Course includes the fundamental principles and techniques in planning, implementing, and evaluating learning activities and in selecting and using appropriate materials and equipment. Second phase is individualized according to the student's major areas. This course should be taken the semester prior to the internship. One full day of field experience in a school, 5 hours of direct teaching of at-risk students, and two teaching activities on site are required.
- ED 454 Seminar for Young Adult Literature. 1 Semester Hour.**
 This is a survey course of novels for middle and high school readers. Various themes and a diverse representation of authors will be studied.
- ED 470 Early Childhood Curriculum. 3 Semester Hours.**
Prerequisite: ED-310, Admission to Teacher Education Program, Senior Standing.
 This is the capstone course for early childhood majors and should be taken the semester prior to internship. This course is designed to teach the basic principles and considerations underlying planning a developmentally appropriate curriculum for young children, birth through third grade (P-3), in all areas of development. This course examines the content, methods, and materials appropriate for young children and the teacher's role in organizing and integrating the early childhood curriculum. Implications for equipment selection, room arrangement, daily schedules, and learning experiences are discussed. A field experience is required. Classroom observation and participation in childcare centers, preschools, Head-Start and Evenstart Programs, kindergartens and primary grades in the public school is required.
- ED 472 Planning and Organizing the Elementary School Curriculum. 3 Semester Hours.**
Prerequisite: Senior standing and admission to the Teacher Education Program. This course must be taken the last semester prior to internship.
 The application of a reflective model of teaching which integrates the curriculum through analytical, evaluative, strategic, practical, and communicative skills. Special emphasis will be given to integrating the elementary school curriculum to accommodate the needs of a diverse population. This is a Candidate Assisted Practice Site (C.A.P.S.) course and the field experience requires a minimum of 16 hours of teaching on-site in selected elementary schools.
- ED 476 Internship for Collaborative Education K-6. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program.
 Fourteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.
- ED 478 Internship for Collaborative Education 6-12. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program.
 Fourteen-week Internship Program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.
- ED 480 Internship in Early Childhood Education. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program. This course must be taken the last semester before internship.
 Fourteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.
- ED 481 Internship in Early Childhood Education. 5 Semester Hours. (Lab fee.)**
 Seven-week internship program for persons seeking additional certification.
- ED 482 Internship in Elementary Education. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program.
 Fourteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.
- ED 483 Internship in Elementary Education. 5 Semester Hours. (Lab fee.)**
 Seven-week internship program for persons seeking additional certification.
- ED 484 Internship in Middle School. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program.
 Fourteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.
- ED 485 Internship in Middle School. 5 Semester Hours. (Lab fee.)**
 Seven-week internship program for persons seeking additional certification.
- ED 486 Internship in High School. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program.
 Fourteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.

- ED 487 Internship in High School. 5 Semester Hours. (Lab fee.)**
Seven-week internship program for persons seeking additional certification.
- ED 488 Internship in N-12. 9 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and admission to the Teacher Education Program.
Fourteen-week internship program for physical education and special education majors with seven weeks in an elementary school and seven weeks in a secondary school. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision of a college professor. Seminar attendance is required.
- ED 490 Supervision of Interns. 1 Semester Hours.**
This elective course is designed to prepare in-service teachers to be cooperating teachers and supervisors of interns. Topics will include overview of the Teacher Education Program, conceptual framework, curriculum, portfolio, team building strategies, requirements of the internship, and observation and evaluation techniques. Teachers who complete the course, have a master's degree, and three years minimum teaching experience will be eligible to apply for a supervisor's position.

English (EH) Courses

- EH 304 Southern Literature. 3 Semester Hours.**
An appreciative and critical survey of the body of fine literature written by and about residents of the American South with a concentration on such writing in the 20th century. Oral and written student response.
- EH 307 Major Authors I: Ancient to Renaissance. 3 Semester Hours.**
A survey of contributions to western civilization by the great writers of ancient and medieval times, beginning with the Old Testament and concluding with John Milton. Oral and written student response.
- EH 308 Major Authors II: Renaissance to Modern. 3 Semester Hours.**
A survey of contributions to western civilization made by the great writers of the 16th through the 20th centuries, beginning with Shakespeare and ending with contemporary writers. Oral and written student response.
- EH 312 Dramatic Literature. 3 Semester Hours.**
Selected studies in drama, from classical through contemporary, designed to provide a wide familiarity with dramatic literature. Close study of specific plays. Oral and written student response.
- EH 314 19th Century British Studies. 3 Semester Hours.**
A critical study of the major works of the Romantic and Victorian periods. Oral and written analysis.
- EH 316 American Masterpieces. 3 Semester Hours.**
A critical survey of the major works of American literature from the colonial period to the present. Oral and written analysis.
- EH 320 Grammar for Teachers. 3 Semester Hours. (Will not satisfy literature or composition requirement.)**
Prerequisite: Two courses in freshman composition.
A teaching-oriented course, using both traditional standard grammar and linguistics-based grammatical systems. Includes some work in elements of composition.
- EH 321 Set Design. 3 Semester Hours. (Also listed as AR 321.) (Lab fee.)**
This course will cover the designing of a stage set from conception through mock-up construction and implementation. Set(s) will be designed for actual use. Material covered will be pertinent to productions ranging from children's plays to community and college theater. Course usually runs concurrently with TH 311 Drama Production.
- EH 325 Myth, Ritual and Culture. 3 Semester Hours.**
A study of the basic beliefs of major cultures and their impact on literature and thought. Special emphasis on Greek/Roman, Egyptian, and Teutonic mythology and on eastern and western religions. Jungian interpretation emphasized.
- EH 413 Composition for Teachers. 3 Semester Hours. (For prospective teachers only. Will not satisfy literature or composition requirements.)**
A study of essential features of composition writing and evaluation. Product-centered as well as process-centered techniques will be examined.
- EH 414 History of the English Language. 3 Semester Hours. (Will not satisfy literature or composition requirements.)**
The development of American English from early and medieval British beginnings to the current linguistic standards and variations. Designed to increase ease of use, vocabulary, and appreciation of the English language. Analytical writing required.
- EH 416 Interpreting the Text. 3 Semester Hours. (Also listed as RE 416.)**
An examination of various ancient, historical, and literary methods of interpreting literature covering the range from ancient ways of reading texts to current poststructuralist approaches. Even though primary emphasis will center on religious texts, there will be considerable attention given to issues and methods that emerged from the realms of the social sciences, literature, and philosophy.
- EH 425 Shakespeare: The Sonnets and the Plays. 3 Semester Hours.**
Designed to provide familiarization with the range of Shakespeare's work as well as close critical appreciation of certain sonnets and plays.

- EH 430 Literature: The Healing Art. 3 Semester Hours.**
A course in the use of literature as therapy and the function of literature in the process of self-discovery, self-analysis, and personal growth. Selected works of literature in poetry, drama, and fiction will be studied in the context of literature as therapy. Some attention will be given to poetry writing and journal writing as therapeutic tools. Especially recommended for behavioral science majors, educators, social workers, and others engaged in humanistic professions.
- EH 431 Poetry and Poetics. 3 Semester Hours.**
Prerequisite: Two composition courses and two literature courses.
A critical survey of the major poems in English and American literature with an emphasis on language, forms, themes, poetic theory, analysis, interpretation, and explication. Oral and written analysis.
- EH 433 Fiction. 3 Semester Hours. (Will not satisfy literature requirement.)**
Study of a wide range of fiction, in the study of one novel and several selected short stories. Study is designed both to increase enjoyment of fiction and to develop analytical and evaluative reading skills, both oral and written response required.
- EH 440 African-American Studies. 3 Semester Hours.**
A study of the major works of African-American writers from the 1700's to the present day. Includes the history of the African-American culture with an emphasis on the civil rights movement.
- EH 441 Special Topics in English. 1 Semester Hour.**
Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.
- EH 442 Special Topics in English. 2 Semester Hours.**
Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.
- EH 443 Special Topics in English. 3 Semester Hours.**
Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.
- EH 450 Renaissance Literature 1550-1680. 3 Semester Hours.**
A critical study of the major works of the English Renaissance from Spenser through Milton, exclusive of Shakespeare. Oral and written analysis.
- EH 451 Restoration/18th Century. 3 Semester Hours.**
A critical study of the major works of the late 17th and 18th century with an emphasis on Dryden, Pope, Swift, and Johnson. Oral and written analysis.
- EH 452 Chaucer and Medieval Literature. 3 Semester Hours.**
A critical study of the major literary works of the middle ages with an emphasis on Chaucer and The Canterbury Tales. Oral and written analysis.
- EH 454 Seminar for Young Adult Literature. 1 Semester Hour.**
This is a survey course of novels for middle and high school readers. Various themes and a diverse representation of authors will be studied.
- EH 460 Directed Study of English. 1 Semester Hour. (Will not meet literature requirement.)**
Prerequisite: Consent of instructor.
A special research or creative writing course designed to meet specific needs and interest.
- EH 461 Directed Study of English. 2 Semester Hours. (Will not meet literature requirement.)**
Prerequisite: Consent of instructor.
A special research or creative writing course designed to meet specific needs and interest.
- EH 462 Directed Study of English. 3 Semester Hours. (Will not meet literature requirement.)**
Prerequisite: Consent of instructor.
A special research or creative writing course designed to meet specific needs and interest.

Finance (FIN) Courses

- FIN 350 Managerial Finance. 3 Semester Hours. (Lab fee.)**
Prerequisite: Principles of Accounting, Principles of Economics, Algebra.
A study of the art of money capital management on the level of the firm in an enterprise economy. Topics covered include analysis of financial statements, investment decision making, calculation of the firm's cost of capital.
- FIN 355 General Insurance. 3 Semester Hours.**
A study of fundamental principles and uses of various types of insurance: life, fire, automobile, homeowners, and other casualty and business forms.

- FIN 356 Real Estate. 3 Semester Hours.** (Approved by the Alabama Real Estate Commission as a pre-license course.)
A course designed to give students a broad understanding of the principles of real estate. Instruction includes historical background, freehold estates, leasehold estates, deeds, transferring of interests, financing, appraising, and the Alabama Real Estate License Law.
- FIN 357 Investments. 3 Semester Hours.**
A study and review of consumer money management problems, choices, and decision-making. Topics such as investing in stocks, bonds, mutual funds, commodities, and options will be covered.

General Business (GBA) Courses

- GBA 259 Basic Technical Specialty. 30 Semester Hours.**
This course number designates credit awarded for the journeyman level training in a technical specialization area when validated by appropriate work experience.
- GBA 301 Windows Applications for Business. 3 Semester Hours.** (Lab fee.)
An examination of the many uses for windows applications in the modern business setting. Emphasis given to a "hands on" approach of assessing the usage of personal computers for preparing spreadsheets, managing files, word processing, and graphics.
- GBA 305 Statistical Methods of Business I. 3 Semester Hours.** (Lab fee.)
Prerequisite: College algebra or equivalent.
Introduction to descriptive and inductive methods to evaluate data. Coverage will include the calculation of central tendency, tests of hypothesis, probability theory, and sampling.
- GBA 306 Statistical Methods of Business II. 3 Semester Hours.** (Lab fee.)
Prerequisite: GBA 305.
An advanced course covering topics such as analysis of variance, time series analysis, simple and multiple regression, and index numbers.
- GBA 311 The Legal Environment of Business. 3 Semester Hours.**
An analysis of the legal, social, and ethical environment of business.
- GBA 312 Law for Accountants. 3 Semester Hours.**
Prerequisite: GBA 311.
A study of law subjects the accountant encounters including contracts, the UCC, business organizations, and accountant liability.
- GBA 368 Industrial and Personnel Psychology. 3 Semester Hours.** (Also listed as PS 368.) (Sometimes taught on a pass/fail basis.)
The application of psychology to industrial organization. Areas of consideration include morale and group processes, supervisory leadership, selection and placement, training, motivation, fatigue, accidents, interviewing and industrial counseling.
- GBA 459A Advanced Technical Specialty I. 3 Semester Hours.**
This course number designates credit that may be awarded for advanced technical work experience. No credit will be granted for work experience which does not exceed in responsibility the original level of training. To qualify for this credit, a student MUST be a graduate of a technical school or college.
- GBA 459B Advanced Technical Specialty II. 6 Semester Hours.**
This course number designates credit that may be awarded for advanced technical work experience. No credit will be granted for work experience which does not exceed in responsibility the original level of training. To qualify for this credit, a student MUST be a graduate of a technical school or college.
- GBA 459C Advanced Technical Specialty III. 9 Semester Hours.**
This course number designates credit that may be awarded for advanced technical work experience. No credit will be granted for work experience which does not exceed in responsibility the original level of training. To qualify for this credit, a student MUST be a graduate of a technical school or college.
- GBA 459D Advanced Technical Specialty IV. 12 Semester Hours.**
This course number designates credit that may be awarded for advanced technical work experience. No credit will be granted for work experience which does not exceed in responsibility the original level of training. To qualify for this credit, a student MUST be a graduate of a technical school or college.
- GBA 460 Directed Study/Research in Business. 3 Semester Hours.**
A course designed to allow students an opportunity to perform research or directed studies. This course is offered at the discretion of the professor with the approval by the School Dean.

Geography (GO) Courses

- GO 309 North America and Europe. 3 Semester Hours.**
This course examines the physical, historical, cultural, economic, and political characteristics of six geographical regions: the United States, Canada, Central America, the Caribbean, Western Europe, and Eastern Europe. Except for the United States, there is considerable emphasis on the historical evolution of each region. The five basic themes of geography--location, place, relationships within places, movement, and regions--will also be stressed.

GO 310 South America, Africa and Asia. 3 Semester Hours.

This course examines the physical, historical, cultural, economic, and political characteristics of eight geographical regions: Sub-Saharan Africa, North Africa and the Middle East, East Asia, South Asia, Southeast Asia, Australia, and the Pacific. There is considerable emphasis on the historical evolution of each region, including patterns of social and political development, cultural diffusion, conflict, and cooperation. The five basic themes of geography--location, place, relationships within places, movement, and regions--are stressed in each region.

GO 311 Economic Geography. 3 Semester Hours. (Also listed as EC 311.)

This course examines the origin, types, and distribution of economic activities around the world as well as the theories that explain the location of economic activities. There is some discussion of environmental determinants of economic activities as well as the role of people and cities in a nation's economy. The student should demonstrate a knowledge of the five basic themes of geography as they relate to economic activities: location, place, relationships within places, movement, and regions.

GO 320 The Geography of North America. 3 Semester Hours.

This course emphasizes the geography of the United States, Canada, and Mexico. The relationship of the Caribbean region and Central America to North America is also considered. There is an emphasis on location, place, relationships within places, movement, and regions.

GO 332 Physical Geography. 3 Semester Hours. (Also listed as GS 332). (Lab fee.)

Corequisite: GO 332L.

Designed to instill greater appreciation and awareness of man's physical environment. Areas of emphasis include mineralogy, petrology, plate tectonics, diastrophism, weathering, mass wasting, agents of erosion, soil layers, and remote sensing.

GO332L Physical Geography Lab. 1 Semester Hour.

Corequisite: GO 332.

GO 341 Biogeography. 3 Semester Hours. (Also listed as BI 341).

Prerequisite: BI 303, Consent of instructor.

Presents biological aspects of geography. Designed to instill greater appreciation and awareness of man's physical environment and of mechanisms which control the distribution of plants and animals on planet Earth.

General Science (GS) Courses

GS 300 Introduction to Astronomy. 3 Semester Hours. (Lab fee.)

Corequisite: GS 300L. Prerequisite: Precalculus algebra.

A study of the laws and principles of astronomy, designed to help the student gain an understanding of how the astronomer studies his subject. To help the student appreciate the scope of the universe, discussion will include the solar system, stars, galaxies, and the Big Bang theory.

GS 300L Introduction to Astronomy Lab. 1 Semester Hour. (Lab fee.)

Corequisite: GS 300.

GS 301 Atmospheric Science. 3 Semester Hours. (Lab fee.)

Corequisite: GS 301L.

A survey course in meteorology at the introductory level. This course provides the student with physical explanations for those phenomena collectively called weather.

GS 301L Atmospheric Science Lab. 1 Semester Hour.

Corequisite: GS 301.

GS 302 Earth Science. 3 Semester Hours. (Lab fee.)

Corequisite: GS 302L.

An introduction to the materials that make up the earth's crust and to the various processes responsible for wearing down and shaping the landscape, including an analysis of environmental issues which relate this science to human activities.

GS 302L Earth Science Lab. 1 Semester Hour.

Corequisite: GS 302.

GS 320 Nutrition. 3 Semester Hours. (This course will not count as a physical science for B.S. Ed. Physical Education majors.)

You are what you eat or soon will be. This course considers contemporary nutrition from the viewpoint of practical application. To be discussed are the essential nutrients, food choices, pre-prepared foods, food and health labels, nutrition related diseases, and food safety.

GS 321 Environmental Studies. 3 Semester Hours. (Lab fee.)

Corequisite: GS 321L.

Emphasis on biological, chemical, and physical aspects of environmental problems, integrating current legal, economic, social, and technical developments.

GS 321L Environmental Studies Lab. 1 Semester Hour.

Corequisite: GS 321.

- GS 330 Environmental Chemistry. 3 Semester Hours.** (Also listed as CH 330). (Lab fee.)
Study of natural chemical processes of Earth and actual and possible effects of humans on natural chemical systems. Environmental problems such as air and water pollution, ozone depletion, and global warming discussed. Also may include introduction to some methods of environmental analysis and pertinent environmental regulations.
- GS 332 Physical Geography. 3 Semester Hours.** (Also listed as GO 332). (Lab fee.)
Corequisite: GO 332L.
Designed to instill greater appreciation and awareness of man's physical environment. Areas of emphasis include mineralogy, petrology, plate tectonics, diastrophism, weathering, mass wasting, agents of erosion, soil layers, and remote sensing.
- GS 332L Physical Geography Lab. 1 Semester Hour.** (Also listed as GO 332L.)
Corequisite: GS 332.

Humanities (HU) Courses

- HU 311 Beginning French Conversation I. 3 Semester Hours.**
Designed for students with no previous expertise in French, this course is intended to enable the student to recognize and speak French in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in French-speaking countries or communities.
- HU 312 Beginning French Conversation II. 3 Semester Hours.**
Prerequisite: HU 311 or equivalent.
A continuation of Beginning French Conversation I, this course is intended to enhance the student's ability to recognize and speak French in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in French-speaking countries or communities.
- HU 313 Beginning Spanish Conversation and Culture I. 3 Semester Hours.**
Designed for students with no previous expertise in Spanish, this course is intended to enable the student to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in Spanish-speaking countries or communities.
- HU 314 Beginning Spanish Conversation and Culture II. 3 Semester Hours.**
Prerequisite: HU 313 or equivalent.
A continuation of Beginning Spanish Conversation I, this course is intended to enhance the student's ability to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in Spanish-speaking countries or communities.
- HU 315 Beginning Japanese Language and Culture I. 3 Semester Hours.**
Designed for students with no previous expertise in Japanese. This course is intended to enable the student to recognize and speak basic Japanese and to gain an appreciation of Japanese culture. Emphasis is on language skills necessary for conducting business and for successful mobility in Japanese communities.
- HU 316 Beginning Japanese Language and Culture II. 3 Semester Hours.**
Prerequisite: HU 315 or equivalent.
A continuation of Beginning Japanese Language and Culture I. This course is designed to enhance the student's ability to recognize and speak Japanese in a practical manner and to expand the student's knowledge and appreciation of Japanese culture. Emphasis is on the language skills necessary for conducting business and successful mobility in Japanese communities.
- HU 321 Library Research Techniques. 1 Semester Hour.**
This course familiarizes the student with the proper utilization of the basic reference books, abstracts and indexes, the card catalog, and audio-visual equipment. The course also enables the student to master research in their other college subjects.
- HU 330 Landmarks of Civilization. 3 Semester Hours.** (Also listed as HY 330). (Occasional lab time is required.)
Classical World to present. A review of selected examples of man's creative achievements in drama, literature, philosophy, art, and music. This course is designed to demonstrate the integration of human knowledge. Stresses expository writing and critical thinking.

History (HY) Courses

- HY 300 Historiography. 3 Semester Hours.** (Offered Fall Semester.)
This course is intended to provide students with an introduction to the main currents of historical scholarship in the modern era. It will devote particular attention to historicism, Marxism, the approaches derived from the social sciences such as psychohistory, and cliometrics and the new challenges such as post-modernism, post-structuralism, deconstruction, gender history and the new historicism. It will provide the students with a basic idea of the traditional definition of evidence and of how to conceive and structure a research paper. This course is required for all B.A. history majors, who should take it during their first semester at Athens State University.
- HY 301 Social Science Research Methods. 3 Semester Hours.** (Also listed as PO 301 and SS 301.) (Required of History and Social Science majors.) Should be taken at the beginning of the junior year. A course designed to develop the techniques of social science research and to explore varying historical interpretations.

- HY 302 Alabama History. 3 Semester Hours.**
The history of Alabama and its southern heritage from early times to the present. Study of present day problems and an examination of the space age as it has effected Alabama's development are included.
- HY 303 The South In United States History. 3 Semester Hours.**
A study of the post-Reconstruction South. A survey of its historical, economic, and social development as a distinct region of the United States.
- HY 304 Colonial and Revolutionary America. 3 Semester Hours.**
A survey of Anglo-American colonial history, revolutionary developments, and the writing and ratification of the Constitution of the United States.
- HY 305 19th Century America. 3 Semester Hours.**
This course covers the early years of the republic rise of sectionalism, and the forces of industrialization, urbanization, and immigration in United States history. Also explored is westward migration, the quest for social justice including the major reform movements of the century and the interdependence of the people of the United States.
- HY 306 20th Century America. 3 Semester Hours.**
An examination of the political, social, cultural, and economic developments in 20th-century America. Emphasis is placed on the Progressive Movement, role of the United States in world affairs, the Inter-war period, and developments after World War II, particularly the Vietnam Era and its aftermath.
- HY 307 American Constitutional Law. 3 Semester Hours. (Also listed as PO 307.)**
An examination of the text of the nation's fundamental law, the Constitutional Convention of 1787, modes of constitutional interpretation, the organization and operation of the federal court system with special emphasis upon the Supreme Court, and the evolution of fundamental constitutional doctrines associated with separation of powers, federalism, taxation, contracts, due process and the takings clause. Students read and analyze excerpts of Supreme Court cases as the principal method for learning. This course is designed to provide a foundation in American constitutionalism for students who contemplate teaching social studies or attending law school.
- HY 308 America and the World. 3 Semester Hours. (Also listed as PO 308.)**
Examines America's foreign relations with the main geographical regions of the world, including issues that affect human survival, such as energy crisis, disarmament, foreign aid, and economic cooperation.
- HY 309 American Civil War and Reconstruction. 3 Semester Hours.**
Causes, events, and results of the Civil War. Also political, economic, and social aspects of reconstruction.
- HY 312 18th Century Europe. 3 Semester Hours.**
Addresses the economic, social, political, and diplomatic changes that took place in Europe under the Old Regime between 1715 to 1789. Emphasis is placed on events involving the major powers.
- HY 313 Revolutionary Europe. 3 Semester Hours.**
A study of the background and the events of the French Revolution and the Napoleonic Period (1789-1815). Emphasizes the revolutionary wellsprings of the contemporary Western world.
- HY 314 19th Century Europe. 3 Semester Hours.**
A study of the social, political, and industrial forces which shaped modern Europe between 1815 and 1914. Particular attention is given to the development of large state and business bureaucracies, the spread of industry and steam transportation, European imperialism, the rise of totalitarian ideologies, and the increase in popular participation in political and social events.
- HY 315 20th Century Europe. 3 Semester Hours.**
The major themes of the course are the rise and demise of totalitarian dictatorships, the continued spread of democracy, the appearance of the welfare state, and the general improvement of the European standard of living since 1918.
- HY 322 England and Britain. 3 Semester Hours.**
A survey of English and British history from 1688 to the present. Encompasses political, constitutional, socio-economic, cultural, intellectual, and imperial movements.
- HY 323 Modern German History. 3 Semester Hours.**
The course covers the development of Germany from 1815 to the present. Major themes will be Germany's rapid industrialization and associated social problems, Nazism, militarism, the struggle for political unity, democratization, and particularism.
- HY 330 Landmarks of Civilization. 3 Semester Hours. (Also listed as HU 330.) (Occasional lab time is required.)**
Classical World to present. A review of selected examples of man's creative achievements in drama, literature, philosophy, art, and music. This course is designed to demonstrate the integration of human knowledge. Stresses expository writing and critical thinking.
- HY 332 History of American Business. 3 Semester Hours.**
This course familiarizes the student with the major developments in the history of American business since colonial times. Particular emphasis is given to the evolution the firm and the role of entrepreneurs.
- HY 333 World War II. 3 Semester Hours.**
The course will provide a strategic overview of the war and examine its causes, how new technologies, large government bureaucracies, and the emergence of new world powers effected its outcome.

HY 334 Middle East. 3 Semester Hours.

A survey of the historical and cultural characteristics of those countries from Mauritania and Morocco to Afghanistan. Emphasis is placed on the historical development and Arabization of the region, current socio-economic problems, the strategic significance of the area, and its relations to the rest of the world.

HY 335 History Of Christianity. 3 Semester Hours. (Also listed as RE 335.)

A survey of the background and origin of the Christian movement and its development to the present.

HY 336 A History of Criminal Justice. 3 Semester Hours. (Also listed as JS 336.)

The subject of this course is the historical development of American criminal justice philosophy, institutions, and practices in the political, cultural, and social context of the Western world and the United States from ancient Hebraic Law to the present. Emphasis is on the contribution and effect of the Enlightenment, Puritanism, American Revolution and Constitution, and Frontier experience on the origins and evolution of the American administration of justice.

HY 342 Modern Russia. 3 Semester Hours. (Formerly titled Russia and Eastern Europe.) (Does not satisfy European history requirement for a B.A. in history.)

Examines the history, geography, and current political systems in the Russia.

HY 401 American History Seminar. 3 Semester Hours.

The seminar will survey recent literature covering American history and allow the student to pursue a particular topic indepth.

HY 402 European History Seminar. 3 Semester Hours.

The seminar will survey recent literature covering modern European economic and political history. Its emphasis will be on major research projects by the students.

HY 414 Modern Africa. 3 Semester Hours.

An exploration of sub-Sahara Africa from the beginnings of European Colonization. Emphasis is focused on the effects of World War II on the region including the rise of black nationalism, the region's special mineral offerings and their influence on global developments, the Cold War, and Independence movements particularly in Zimbabwe, Zaire, and South Africa.

HY 441 Special Topics in History. 1 Semester Hour.

Prerequisite: Consent of the instructor.

To be offered in accordance with student demand or need.

HY 442 Special Topics in History. 2 Semester Hours.

Prerequisite: Consent of the instructor.

To be offered in accordance with student demand or need.

HY 443 Special Topics in History. 3 Semester Hours.

Prerequisite: Consent of the instructor.

To be offered in accordance with student demand or need.

Instrumentation (IT) Courses

IT 306 Interfacing Techniques. 4 Semester Hours. (Lab fee.)

Prerequisite: Microprocessor fundamentals.

Provides necessary background to interface real world physical measurables to digital systems, including computers. Student will be involved in design, construction, and implementation of microprocessor or microcomputer interfacing systems.

IT 316 Applied Digital Design. 4 Semester Hours. (Lab fee.)

Prerequisite: Introductory digital electronics.

Acquaints student with good design fundamentals including use of mixed logic and algorithmic state machine formalisms. Covers use of recent devices (PAL's, PLD's), microprocessors, and computers in digital design.

IT 320 Math Methods for Instrumentation. 4 Semester Hours. (Lab fee.)

Prerequisite: Calculus II.

Designed to introduce student to advanced mathematical methods necessary for understanding complex instrumentation systems. Includes introductions to complex numbers, Laplace transforms, Fourier analysis, and elementary statistical analysis.

IT 400 Advanced Analog Instrumentation. 4 Semester Hours.(Lab fee.)

Prerequisite: IT 320, and PY 302.

Theoretical analysis of modern networks using operational amplifiers, analog filters, and practical circuits for communications and data acquisition systems.

IT 401 Applied Data Communications. 4 Semester Hours. (Lab fee.)

Designed to acquaint student with latest data communication terminology, theory, technology, standards, and equipment.

IT 420 Electro-optics. 4 Semester Hours. (Lab fee.)

Prerequisite: IT 320, and PY 302.

Emphasizes latest technology in laser systems, light detection and displays, and applications.

- IT 425 Introduction To Robotics. 4 Semester Hours. (Lab fee.)**
Prerequisite: Introductory electronics courses.
 Fundamentals of robotics including study of robotic motion, computer interfaces, robotic vision, and capabilities.
- IT 440 Process Control Instrumentation. 4 Semester Hours. (Lab fee.)**
Prerequisite: Senior standing and consent of instructor.
 Provides in-depth analysis of process control fundamentals, transducers, and instrumentation.
- IT 441 Computer Instrumentation. 4 Semester Hours. (Lab fee.)**
Prerequisite: IT 440. Introduction to state-of-the-art techniques in computer-controlled instrumentation. Students will be involved in team projects as part of course requirements.
- IT 461 Directed Study/Special Instrumentation Project. 1 Semester Hour.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- IT 462 Directed Study/Special Instrumentation Project. 2 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- IT 463 Directed Study/Special Instrumentation Project. 3 Semester Hours.**
Prerequisite: Consent of instructor.
 To be offered on occasion of student demand or need.
- IT 464 Directed Study/Special Instrumentation Project. 4 Semester Hours.**
Prerequisite: Consent of academic unit coordinator and/or instructor. To be offered on occasion of student demand or need.

Journalism

- JO 303 Journalism. 3 Semester Hours. (Lab fee.) (Will not satisfy literature requirements.) (Designed to fulfill requirements for language arts majors.)**
 Study and practical experience with journalistic principles, processes, and practices of the news media, utilizing media outlets both in schools and in the community with special emphasis on work with school publications.

Justice Studies (JS) Courses

- JS 300 Criminal Justice System. 3 Semester Hours. (Also listed as PO 300.)**
 A survey of the criminal justice system in the United States, including law enforcement, judicial and correctional agencies and activities.
- JS 301 Criminal Justice Process. 3 Semester Hours.**
 An overview of the major steps in the processing of a criminal case in the United States, including pre-trial, trial and post-conviction phases.
- JS 302 Criminal Law. 3 Semester Hours. (Also listed as PO 302).**
 Definitions of crimes to include the specific elements of various criminal offenses. Defenses to criminal conduct also are discussed.
- JS 336 A History of Criminal Justice. 3 Semester Hours. (Also listed as HY 336.)**
 The subject of this course is the historical development of American criminal justice philosophy, institutions, and practices in the political, cultural, and social context of the Western world and the United States from ancient Hebraic Law to the present. Emphasis is on the contribution and effect of the Enlightenment, Puritanism, American Revolution and Constitution, and Frontier experience on the origins and evolution of the American administration of justice.
- JS 350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as SO 350, PSA 350, and PO 350.)**
Prerequisite: Introduction to Sociology.
 This course is a review of basic legal doctrines and processes in the U.S. system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide pre-law majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.
- JS 364 Civil Liberties. 3 Semester Hours. (Also listed as PO 364.)**
 Analysis of leading cases and doctrines which balance governmental/societal interests with individual rights across a broad spectrum of social relationships. Explores the constitutional foundations for freedom of expression, due process, and equal protection under the law.
- JS 400 Law Enforcement In America. 3 Semester Hours.**
 An in-depth examination of American policing. Includes history, structure, functions, processes, and administrative issues of contemporary law enforcement agencies/systems.

- JS 401 Adult Corrections. 3 Semester Hours.** (Also listed as SO 401.)
Prerequisite: *Introduction to Sociology.*
 Socioeconomic facets of crime and principles and practices of delinquency, probation and parole, interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed.
- JS 452 Advanced Criminology. 3 Semester Hours.** (Also listed as SO 452.)
Prerequisite: *Introduction to Sociology.* Analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation.
- JS 445 Contemporary Issues Seminar in Public Safety. 3 Semester Hours.** (Also listed as PSA 445.)
 An examination of contemporary topics that profoundly impact all public safety agencies. Subjects addressed include laws, court rulings, and regulatory agency requirements. Utilizes a research seminar format.
- JS 453 Juvenile Delinquency. 3 Semester Hours.** (Also listed as SO 453.)
Prerequisite: *Introduction to Sociology.*
 An in-depth examination of juvenile delinquency within a sociological framework. Includes both a theoretical and practical emphasis.
- JS 455 Public Administration Ethics. 3 Semester Hours.** (Also listed as PO 455 and PSA 455). (Formerly titled Ethics for Public Administrators).
 Examines ethical issues encountered by administrators of government agencies. More specifically, this course explores the application of codes of ethics, theories of ethical decision-making, and ethical principles affecting public administration.
- JS 460 Directed Studies in Justice Studies. 1 Semester Hour.**
 Consent of instructor required.
- JS 462 Directed Studies in Justice Studies. 2 Semester Hours.**
 Consent of instructor required.
- JS 463 Directed Studies in Justice Studies. 3 Semester Hours.**
 Consent of instructor required.
- JS 465 Senior Research Project. 3 Semester Hours.** (Also listed as PO/PSA 465).
Prerequisite: *Justice Studies major and consent of instructor.*
 Provides supervised experiences in appropriate criminal justice agencies. This course includes intensive routine seminars with discussion and evaluation of experiences in the field.

Mathematics (MA) Courses

- MA 301 Pre-Calculus Algebra. 3 Semester Hours.** (Lab fee.) (For students preparing to take Calculus sequence.)
Prerequisite: *Two years of high school algebra; geometry recommended.*
 For students preparing to take Calculus sequence. Topics covered include real number system, simplification of algebraic expressions, functions and graphs, rational and polynomial functions, exponential and logarithmic functions, conic sections, binomial theorem, finite induction, arithmetic and geometric progressions, and business and behavioral science applied word problems.
- MA 302 Pre-Calculus Trigonometry. 3 Semester Hours.** (Lab fee.)
Prerequisite: *MA 301 or equivalent.*
 For students preparing to take Calculus sequence. Includes set notation, concept of functions, extended study of geometric and trigonometric functions, analytic trigonometric functions, radian measure, computation and numerical application.
- MA 303 Calculus I. 3 Semester Hours.** (Lab fee.)
Corequisite MA 303L required only of B. S. degree-seeking mathematics majors. Prerequisite: MA 301 or equivalent.
 Introduction to limits plus techniques and applications of differential calculus.
- MA 303L Calculus I Lab. 1 Semester Hours.** (Required only of B.S. degree-seeking mathematics majors.) (If taken independent of MA 303, a lab fee will be charged.)
Prerequisite/Corequisite: MA 303.
 MAPLE software-based laboratory experience to reinforce and expand on topics covered in MA 303.
- MA 304 Calculus II. 3 Semester Hours.** (Lab fee.)
Corequisite MA 304L required only of B.S. degree-seeking mathematics majors. Prerequisite: MA 303.
 Continuation of MA 303 covering integral calculus.
- MA 304L Calculus II Lab. 1 Semester Hours.** (If taken independent of MA 304, a lab fee will be charged.)
Corequisite MA 304. Prerequisite: MA 303L.
 MAPLE software-based laboratory experience to reinforce and expand on topics covered in MA 304.

- MA 305 Calculus III.** 3 Semester Hours. (Lab fee.)
Corequisite MA 305L required only of B. S. degree-seeking mathematics majors. Prerequisite: MA 304.
 Continuation of MA 303, 304 covering advanced integral techniques, L'Hospital's Rule, infinite sequences and series.
- MA 305L Calculus III Lab.** 1 Semester Hours. (If taken independent of MA 305, a lab fee will be charged.)
Corequisite MA 305. Prerequisite: MA 304L.
 MAPLE software-based laboratory experience to reinforce and expand on topics covered in MA 305.
- MA 306 Calculus IV.** 3 Semester Hours. (Lab fee.)
Corequisite MA 306L required only of B. S. degree-seeking mathematics majors. Prerequisite: MA 305.
 Continuation of MA 303, 304 covering conics, parametric and polar equations, vectors, functions of several variables, and multiple integration.
- MA 306L Calculus IV Lab.** 1 Semester Hours. (If taken independent of MA 306, a lab fee will be charged.)
Corequisite: MA 306. Prerequisite: MA 305L.
 MAPLE software-based laboratory experience to reinforce and expand on topics covered in MA 306.
- MA 308 Discrete Mathematics.** 3 Semester Hours.
Prerequisite: MA 301.
 Introduces topics in mathematical models, mathematical reasoning, sets, relations and functions, Boolean algebra, special data structures, and special algebras. Application of these topics teaches nature and purpose of mathematical models, algebra of logic, sets and groups, and relationships between mathematics and Computer Science.
- MA 309 Business Calculus.** 3 Semester Hours. (Cannot be used to satisfy requirement for upper-level mathematics elective.) (Lab fee.)
Prerequisite: Pre-calculus algebra and at least a computer programming or computer applications course.
 Covers basic business applications using calculus, including functions, graphs and limits as encountered in professional business environments. Some solutions require use of computer.
- MA 310 Matrices and Linear Algebra.** 3 Semester Hours.
Prerequisite: MA 305.
 Matrices, systems of equations, determinants, vector spaces, and applications.
- MA 311 Advanced Mathematics for Teachers.** 3 Semester Hours.
Prerequisite: At least one college-level mathematics course.
 Develops greater mathematical skills and insight. Introduces student to topics in numeration systems, elementary number theory, problem solving, introduction to probability theory, statistics, and geometry.
- MA 314 College Geometry.** 3 Semester Hours.
Prerequisite: MA 304.
 Foundations of Euclidean geometry to include geometric construction and properties of regular polygons and circles. Based on logical statements and formal proofs.
- MA 316 Vector Analysis.** 3 Semester Hours.
Prerequisite: MA 305.
 Vector algebra, vector operations, vector functions, scalar and vector fields, divergence, curl, Laplacian, line and surface integrals, orthogonal curvilinear coordinates, divergence theorem, Stoke's and Green's theories.
- MA 320 Modern Algebra.** 3 Semester Hours.
Prerequisite: MA 310.
 Axiom approach, group fundamental properties, introduction to rings, fields and ideals. Emphasis on proofs.
- MA 330 Advanced Mathematical Software.** 3 Semester Hours. (Cannot be used to satisfy requirement for upper-level mathematics elective.)
Prerequisite: MA 303, 304, 305; MA 310, 421 (one may be taken concurrently); knowledge of computer programming language.
 Introduces student to mathematical software (Maple V) that increases productivity in workplace and provides insight for research.
- MA 401 Complex Analysis.** 3 Semester Hours.
Prerequisite: MA 305.
 Covers complex numbers, analytic functions and integrals, conformal mapping, sequences and series, and integration by the method of residues.
- MA 421 Differential Equations.** 3 Semester Hours. (Lab fee.)
Prerequisite: MA 305 or equivalent.
 Theory and techniques of solution for ordinary differential equations with applied examples from different scientific disciplines. Introduction to Laplace transforms.
- MA 423 Numerical Analysis.** 3 Semester Hours. (Computer programming required.) (Lab fee.)
Prerequisite: MA 305, 310.
 Introduction to numerical methods for interpolation, evaluating roots of polynomials, systems of equations, integration, differentiation, differential equations, and approximation and error analyses.

MA 428 Partial Differential Equations. 3 Semester Hours.

Prerequisite: MA 421.

Fourier series, classical PDE's (heat, wave and Laplace's equations), and numerical methods.

MA 430 Theory of Statistics and Probability I. 3 Semester Hours.

Prerequisite: MA 305.

Basic probability theory, counting techniques, random variables, probability density function (continuous/discrete), distributions (uniform, normal, binomial, hypergeometric), expected value and variance.

MA 431 Theory of Statistics and Probability II. 3 Semester Hours.

Prerequisite: MA 430.

Continuation of MA 430 covering linear regression, correlation, analysis of variance, and other advanced statistical concepts.

MA 441 Special Topics in Mathematics. 3 Semester Hours.

Prerequisite: MA 304.

Considers topics in abstract algebra, theory of equations, and various mathematical applications.

MA 445 Mathematical Modeling and Simulation. 3 Semester Hours.

Prerequisite: MA 305, 310, 421 or equivalent.

Covers techniques in vector rotation of three-space coordinates, Perron's eigenvalue theorem, data fitting by the normalization processes for multi-variable function approximation, Bezier representation of polynomials for "real-time", computer graphic application, and other topics.

MA 450 Advanced Calculus I. 3 Semester Hours.

Prerequisite: MA 305, 310.

Vector operations and spaces, linear transformations, functions of several variables, limits, continuity, total differential, Jacobian, general chain rule, implicit functions, higher order derivatives, change of variables in integrals.

MA 451 Advanced Calculus II. 3 Semester Hours.

Prerequisite: MA 450.

A continuation of MA 450 with various applications of multi-variate calculus.

MA 452 Real Analysis. 3 Semester Hours.

Prerequisite: MA 310, 421.

Covers logic and the foundation for differential and integral calculus of a function of one variable.

MA 461 Directed Study/Research in Mathematics. 1 Semester Hour.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

MA 462 Directed Study/Research in Mathematics. 2 Semester Hours.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

MA 463 Directed Study/Research in Mathematics. 3 Semester Hours.

Prerequisite: Consent of instructor.

To be offered on occasion of student demand or need.

MA 470 Senior Mathematics Seminar. 3 Semester Hours.

Prerequisite: MA 320, 421.

Review of mathematical ideas in calculus, linear algebra, differential equations, abstract algebra, and other selected topics.

Management (MG) Courses

MG 302 Management Information Systems. 3 Semester Hours. (Lab fee.)

Prerequisite: GBA 301 or windows applications course.

An examination of the role of information systems in organizations and how they relate to the objectives and structure of an organization. Emphasis is given to providing a broad overview of the information system management function.

MG 303 Management Decision Support Systems. 3 Semester Hours. (Also listed as AC 303.) (Lab fee.)

Prerequisite: GBA 301. An analysis of the nature of the decision making process and an examination of support systems. Instruction will emphasize an advanced application of spreadsheet and database management software.

MG 320 Managerial Communication. 3 Semester Hours. (Lab fee.)

Instruction in the communication skills of listening, speaking, reading, and writing as they relate to the management function. Course requirements include the completion of a formal written research paper.

MG 346 Principles of Management. 3 Semester Hours.

An introductory course that explores both the underlying theory and the practical application of management practices and organizational development. In addition to the basic management functions, the course deals with ethical questions, international competition, and other issues stemming from management's relationship with its increasingly complex legal, social, and competitive environment.

- MG 349 Human Resources Management. 3 Semester Hours.** (Also listed as PSA 349) (Lab fee.)
A study of the technical functions of HRM. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy.
- MG 351 Labor/Management Relations. 3 Semester Hours.**
An examination of managerial issues affecting development of industrial and labor relations policy. Topics examined include impact of public policy, negotiation, and administration of collective bargaining agreements, the NLRB, and arbitration cases.
- MG 352 Global Dimension of Business. 3 Semester Hours.** (Lab fee.)
Prerequisite: MG 346.
An analysis of the cultural, economic, ethical, legal, and social environment of the global market.
- MG 353 Project Management. 3 Semester Hours.** (Lab fee.)
Prerequisite: MG 346.
An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.
- MG 375 Organizational Behavior. 3 Semester Hours.** (Also listed as PS 375 and PSA 375.) (Lab fee.) (Sometimes taught on a pass/fail basis.)
A consideration of human behavior in organizational settings with emphasis on individual processes, group processes and organizational structure and functions.
- MG 377 Public Administration. 3 Semester Hours.** (Also listed as PO 377 and PSA 377.)
An examination of the major issues and concepts associated with management of governmental agencies. Topics include personnel management, financial management and budgets, political and legal environments, employee rights and responsibilities, program evaluation, and community relations.
- MG 405 Production/Operations Management. 3 Semester Hours.** (Lab fee.)
Prerequisite: MG 346, GBA 305.
Production and Operations Management examines manufacturing and services industries and the multitude of activities needed to produce or process goods and services in the private and public sectors. Examines the problems of facilities layout, plant location, statistical quality control, process control, and various models utilized in these areas.
- MG 410 Employment Law for Business. 3 Semester Hours.**
Prerequisite: GBA 311.
An applied study of significant legal issues in labor and employment law including labor-management relations, wage and hour laws, safety and health laws, retirement, welfare and privacy laws that prepare future managers, supervisors, and business owners for responsibilities in management-employee relations.
- MG 415 Technical Risk Management. 3 Semester Hours.** (Lab fee.)
Prerequisite: MG 346 and GBA 305/306.
Examines the use of the scientific method and structural analysis to minimize the risk exposure in management decision making, particularly when bringing high-technology products to the market place within allotted time and financial specifications.
- MG 416 Entrepreneurship. 3 Semester Hours.** (Lab fee.)
Prerequisite: Accounting I, GBA 301, MG 346, and MK 331.
In this course, students bring their knowledge of management, marketing, accounting and microcomputer applications to bear on the problems of planning and operating a small business. Student teams research, prepare, and present complete business plans including pro-forma financial statements for startup ventures. Market research, site selection, pricing, promotion, and financial analysis for the small firm are among the topics stressed.
- MG 417 Management of Change. 3 Semester Hours.** (Lab fee.)
Prerequisite: MG 346.
Examines the various approaches to organizational change, the resistance and driving forces for change, and the implementation and control of change in organizations.
- MG 418 Management of Technology. 3 Semester Hours.** (Lab fee.)
Prerequisite: MG 346.
A case study approach to the integration of technical knowledge with management science.
- MG 419 Technology Transfer and Commercialization. 3 Semester Hours.**
Prerequisite: MG 346.
Technology Transfer and Commercialization offers an overview of how government-sponsored technology and expertise can be transferred into commercial and private sectors to maintain business competitiveness. Specific case studies are employed to illustrate the effectiveness and importance of technology transfer to global commerce.
- MG 420 Business Policy. 3 Semester Hours.** (Lab fee.) (Student should schedule this course during one of the last two semesters of their degree program.)
Prerequisite: Senior standing, FIN 350, MG 346, MK 331.
A Capstone Course which examines the interrelations of the various business functions from the viewpoint of middle management's decision process. Heavy emphasis on both oral and written case study analysis. NOTE: Student must earn a minimum grade of "C" in this course in order to graduate with a major in accounting, management, human resources management, or the management of technology.

MG 441 Special Topics in Management. 3 Semester Hours.

To be offered on occasion of student demand or need.

MG 460 Directed Study/Research in Management. 3 Semester Hours.

A course designed to allow students an opportunity to perform research directed studies in management. Offered at the discretion of the professor with approval of the School Dean.

Marketing (MK) Courses

MK 331 Marketing Principles. 3 Semester Hours.

Prerequisite: Principles of Economics.

A study of the forces operating, institutions employed, and methods followed in the flow of goods and services from production to consumption.

MK 336 Consumer Behavior. 3 Semester Hours.

Prerequisite: Marketing Principles.

A study of the buying habits and motives involved in the purchase of economic goods and services. Emphasis is on the decision processes that precede and determine consumer behavior.

MK 431 Marketing Research. 3 Semester Hours.

Prerequisites: MK 331, GBA 305.

A study of research methods and procedures as they apply to marketing operations. This course includes the information sources available to marketing researchers and the design and analysis of research projects concerned with obtaining primary information.

MK 432 Retailing. 3 Semester Hours.

Prerequisite: MK 331.

Principles and methods of store location and layout, promotion, buying, pricing, personnel management, credit, and stock control.

MK 433 Marketing Strategies and Policies. 3 Semester Hours.

Prerequisite: MK 331.

Examines various policies and problems requiring decision by marketing management. Particular emphasis will be given to advertising and promotional strategies.

Physical Education (PE) Courses

PE 301 Theory of Coaching and Officiating. 3 Semester Hours. (Recommended for Physical Education majors only.)

A course designed to familiarize students with officiating techniques, coaching principles, basic coaching philosophies, effective methodology, motor skills, and strategic and theoretical elements leading to the development of championship teams.

PE 312 Varsity Athletics. 1 Semester Hours.

Prerequisite: By permission only.

Participation in college intercollegiate sports.

PE 313 Varsity Athletics. 1 Semester Hours.

Prerequisite: By permission only.

Participation in college intercollegiate sports.

PE 320 Analysis of Team Sports. 3 Semester Hours. (Recommended for Physical Education majors only.)

A course dealing with analysis and teaching of movement patterns involved in the performance of volleyball, basketball, and soccer. Practical experience in writing lesson plans, designing conditioning programs, officiating, and designing strategies used in competition.

PE 321 Analysis of Gym/Track/Field. 3 Semester Hours. (Recommended for Physical Education majors only.)

A course dealing with the analysis and teaching of movement patterns involved in the performance of gymnastics and track/field. Practical experience in writing lesson plans, designing conditioning programs, spotting, and designing strategies used in competition.

PE 322 Analysis of Individual Sports. 3 Semester Hours. (Recommended for Physical Education majors only.)

A course dealing with the analysis and teaching of movement patterns involved in the performance of badminton, golf, and tennis. Practical experience writing lesson plans, designing conditioning programs, officiating, and designing strategies used in competition.

PE 323 Analysis of Rhythms/Aquatics. 3 Semester Hours. (Recommended for Physical Education majors only.)

A course dealing with the analysis of movement involved in the performance of rhythms and aquatics activities. Practical experiences in conditioning, skill improvement, and movement analysis are included.

PE 325 Kinesiology. 3 Semester Hours. (Recommended for Physical Education majors only or approval of instructor.)

Prerequisite: Anatomy and Physiology.

Anatomical, mechanical, and functional aspects of human movement are studied with emphasis on analysis of joint actions, mechanical principles, and laws of motion as they apply to efficient movement.

PE 326 History and Principles of Physical Education. 3 Semester Hours. (Recommended for Physical Education majors only.)

A course designed to provide the professional student an overview of the body of knowledge encompassing the discipline of physical education. Historical, psychological, biological, and sociological foundations of human movement are studied.

- PE 327 Physiology of Exercise. 3 Semester Hours.** (Recommended for Physical Education majors only or approval of instructor.)
Prerequisite: Anatomy and Physiology.
A course designed to provide the student an opportunity to develop a better understanding of the effects of exercise on body systems, factors affecting performance, and the role of physical education in health-related fitness.
- PE 333 Care and Prevention of Athletic Injuries. 3 Semester Hours.** (Lab fee.) (Recommended for Physical Education majors only or approval of instructor.)
A course designed to familiarize students with the most prevalent athletic injuries, their anatomical explanation and physiological complications, and treatment of such injuries.
- PE 350 Adapted Physical Education and Sports. 3 Semester Hours.** (Recommended for Physical Education majors only or approval of instructor.)
A course designed to provide students with the information necessary to understand, evaluate, and develop programs of physical activities to meet the special needs, interests, and abilities of exceptional children and youth. Class will interact with exceptional students at field sites.
- PE 352 Basic CPR Instructor's Course. 3 Semester Hours.** A course designed to teach the basic principles of first aid and cardiac pulmonary resuscitation. The course also provides training in the procedures of administering first aid and CPR. American Red Cross Certification is awarded for the successful completion of this course.
- PE 354 Contemporary Health and Physical Education Activities. 2 Semester Hours.**
A course dealing with personal/community health and physical education designed to assist students in developing a broad understanding of their obligation to themselves and society in matters of health, physical education, physical fitness, and physical activities. Appropriate physical education activities will be included.
- PE 355 Health-Related Fitness and Nutrition. 3 Semester Hours.** (Recommended for Physical Education majors only or approval of instructor.)
A course dealing with the development of cardiovascular endurance, muscle strength, flexibility, nutrition, and appropriate body composition as these elements contribute to health-related fitness. The course also provides the student with the opportunity to participate in an exercise program which emphasizes cardiovascular endurance, muscular strength, and flexibility.
- PE 400 Organization and Administration of Physical Education. 3 Semester Hours.** (Recommended for Physical Education majors only.)
A course designed to provide the professional student theoretical and practical information about specific aspects of the process of organizing and administering physical education and athletic programs.
- PE 401 Measurement and Evaluation of Physical Education. 3 Semester Hours.**
Prerequisite: Three of the following analysis courses: PE 320, 321, 322, 323. Requires admission to the Teacher Education Program.
Included in this course is the study of theory of measurement in physical education, the selection and administration of appropriate tests, and the interpretation of test results utilizing fundamentally sound statistical procedures.
- PE 412 Senior Varsity Athletics. 1 Semester Hours.**
Prerequisite: By permission only.
Participation in college intercollegiate sports.
- PE 413 Senior Varsity Athletics. 1 Semester Hours.**
Prerequisite: By permission only. Participation in college intercollegiate sports.
- PE 430 Teaching Physical Education in the Elementary School. 3 Semester Hours.** (Lab fee.) (Recommended for Physical Education majors only.)
Prerequisite: Three of the following analysis courses: PE 320, 321, 322, 323 and admission to the Teacher Education Program.
A course designed to study source materials, planning and organizing instruction, selection of suitable activities, and preparation of teaching units for physical education in the elementary school. Field experience is required.
- PE 431 Motor Development and Physical Activities. 3 Semester Hours.**
Prerequisite: Child Psychology or equivalent.
The influence of various tissues (i.e. muscle, bone, adipose), and coordinated neural function are central concerns of this course. Physical activities intended to enhance the physical and motor growth and development of young children are examined. The relationship of physical and motor growth and development to all other aspects of human development is studied.
- PE 440 Teaching Physical Education in the High School. 3 Semester Hours.** (Lab fee.)
Prerequisite: Three of the following analysis courses: PE 320, 321, 322, 323. Requires admission to the Teacher Education Program.
Emphasis is placed on approved teaching techniques, theories of learning, characteristics of high school students, planning for instruction, instructional management, and selection of learning activities. Lesson planning and unit construction are an important part of this course. Field experience is required.
- PE 460 Directed Study/Research in Physical Education. 1 Semester Hours.**
To be offered on occasion of student need and may be taken 1 to 3 times.
- PE 480 Internship in Physical Education. 9 Semester Hours.** (Lab fee.)
To be offered as an internship. Students are supervised by college faculty at community sites for fourteen weeks.

Philosophy (PH) Courses

- PH 300 Moral Values in Today's Society. 3 Semester Hours.** (Also listed as SO 300.)
A sociological approach to the study of morality combined with a philosophical examination of what moral value is and how moral values may be realized in today's society. Emphasis will be given to specific current moral issues.
- PH 301 Introduction to Philosophy. 3 Semester Hours.**
An examination and evaluation of various answers to basic problems of philosophy.
- PH 312 Logic. 3 Semester Hours.**
A course intended to help the student develop skill in detecting, identifying, and analyzing fallacious reasoning and implication in the mass media, literature, advertising, theater, philosophy, and religion.
- PH 321 History of Philosophy I. 3 Semester Hours.**
A critical survey of the thought of major western philosophers from Thales to Descartes.
- PH 322 History of Philosophy II. 3 Semester Hours.**
A critical survey of the thought of western philosophers from Descartes to the present time.
- PH 325 Philosophy of Religion. 3 Semester Hours.** (Also listed as RE 325.)
A philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality, and the belief in life after death. Special attention is given to the impact of science upon religion.
- PH 401 Elements of Logical Thinking. 3 Semester Hours.** (Also listed as PS 401.)
Prerequisite: General Psychology.
An introductory course that encourages critical thinking skills. Informal logic will be studied by analyzing cognitive biases and cognitive fallacies. Formal logic will be learned through the use of categorical sentences, truth functions, monadic quantifications, and inductive and deductive reasoning.
- PH 441 Special Topics in Philosophy. 1 Semester Hour.**
To be offered on occasion of student demand or need.
- PH 442 Special Topics in Philosophy. 2 Semester Hours.**
To be offered on occasion of student demand or need.
- PH 443 Special Topics in Philosophy. 3 Semester Hours.**
To be offered on occasion of student demand or need.
- PH 461 Directed Study/Research in Philosophy. 1 Semester Hour.** (Open only to superior students who have had at least fifteen hours of philosophy in the classroom.) (May be repeated for up to ten additional hours of credit.)
Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need. The student studies in an area of his or her particular interest approved by the instructor.
- PH 462 Directed Study/Research in Philosophy. 2 Semester Hours.** (May be repeated for up to ten additional hours of credit.) (Open only to superior students who have had at least fifteen hours of philosophy in the classroom.)
Prerequisite: Consent of instructor.
The student studies in an area of his or her particular interest approved by the instructor.
- PH 463 Directed Study/Research in Philosophy. 2 Semester Hours.** (Open only to superior students who have had at least fifteen hours of philosophy in the classroom.)
Prerequisite: Consent of instructor.
The student studies in an area of his or her particular interest approved by the instructor.

Political Science (PO) Courses

- PO 300 Criminal Justice System. 3 Semester Hours.** (Also listed as JS 300.)
A survey of the criminal justice system of the United States, including law enforcement, judicial and correctional agencies and activities.
- PO 301 Social Science Research Methods. 3 Semester Hours.** (Also listed as SS 301 and HY 301.) (Should be taken at the beginning of the junior year.)
A course designed to develop the techniques of social science research and to explore varying historical interpretations. Also aims at preparation of teaching materials.
- PO 302 Criminal Law. 3 Semester Hours.** (Also listed as JS 302.)
Definitions of crimes to include the specific elements of various criminal offenses. Defenses to criminal conduct also are discussed.
- PO 303 Comparative State and Local Government. 3 Semester Hours.**
A comparative examination of the structures, operation, and contemporary issues with state and local government throughout the United States.

- PO 304 Problems of American Government. 3 Semester Hours.**
This course examines numerous institutional and policy problems facing the American political system as well as solutions to these problems proposed by government. This course also looks at different political systems such as communism, socialism, and parliamentary democracy in order to put American government in a comparative perspective.
- PO 305 Alabama Government. 3 Semester Hours.**
An examination of the structure and operation of state and local governments and the political process in Alabama.
- PO 306 Elections and Public Opinions. 3 Semester Hours.**
This course examines the role and effects of elections and public opinions on American political institutions.
- PO 307 American Constitutional Law. 3 Semester Hours. (Also listed as HY 307.)**
An examination of the text of the nation's fundamental law, the Constitutional Convention of 1787, modes of constitutional interpretation, the organization and operation of the federal court system with special emphasis upon the Supreme Court, and the evolution of fundamental constitutional doctrines associated with separation of powers, federalism, taxation, contracts, due process, and the takings clause. Students read and analyze excerpts of Supreme Court cases as the principal method for learning. This course is designed to provide a foundation in American constitutionalism for students who contemplate teaching social studies or attending law school.
- PO 308 America and the World. 3 Semester Hours. (Also listed as HY 308.)**
This course examines America's foreign relations with the main geographical regions of the world since 1775 as well as American policy toward disarmament, foreign aid, economic cooperation, and other contemporary issues. The institutions involved in the making of foreign policy also are discussed.
- PO 320 Introduction to International Commerce. 3 Semester Hours. (Also listed as EC 320.)**
This course examines the international economic system and the management challenges faced by multi-national corporations in the conduct of international business. Special attention is given to the mechanics of importing and exporting, international finance, and private international law.
- PO 341 Statistics in Behavioral Science. 3 Semester Hours. (Also listed as PS 341 and SO 341.)**
Prerequisite: Psychology, Sociology, or Political Science Major or Minor or Permission, Pre-calculus Algebra or Equivalent.
Elementary analysis of behavioral science data is considered by examining both descriptive statistics and inferential statistics.
- PO 342 Methods of Behavioral Science Research. 3 Semester Hours. (Also listed as PS 342 and SO 342.) (It is strongly recommended that students take PS/SO/PO 341 Statistics in Behavioral Science prior to taking PS/SO/PO 342.) (Lab fee.)**
Prerequisite: Psychology, Sociology, Political Science Major or Minor or Permission.
Theory design and collection of data in behavioral science with emphasis given to techniques by which behavioral science data is collected, analyzed, and interpreted.
- PO 350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as JS 350, PSA 350, and SO 350.)**
Prerequisite: Introduction to Sociology.
This course is a review of basic legal doctrines and processes in the United States system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide pre-law majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.
- PO 351 Political Sociology. 3 Semester Hours. (Also listed as SO 351.)**
Prerequisite: Introduction to Sociology.
This course explores what federal, state, and local governments are doing to solve major social problems, such as poverty, crime, and those arising from minority group relations.
- PO 364 Civil Liberties. 3 Semester Hours. (Also listed as JS 364.)**
Analysis of leading cases and doctrines which balance governmental/societal interests with individual rights across a broad spectrum of social relationships. Explores the constitutional foundations for freedoms of expression, due process rights, and equal protection under law.
- PO 377 Public Administration. 3 Semester Hours. (Also listed as MG 377 and PSA 377.)**
An examination of the major issues and concepts associated with management of governmental agencies. Topics include personnel management, financial management and budgets, political and legal environments, employee rights and responsibilities, program evaluation, and community relations.
- PO 380 Public Finance. 3 Semester Hours. (Also listed as PSA 380.)**
This course provides students with information about government finance and budgeting. The political, administrative, and economic implications of decisions about government revenue sources, expenditures, and indebtedness are assessed.
- PO 441 Special Topics in Political Science. 1 Semester Hour.**
To be offered on occasion of student demand or need.
- PO 442 Special Topics in Political Science. 2 Semester Hours.**
To be offered on occasion of student demand or need.
- PO 443 Special Topics in Political Science. 3 Semester Hours.**
To be offered on occasion of student demand or need.

- PO 452 Comparative Political Systems. 3 Semester Hours.**
Examines the theory of comparative government as well as government and politics in Western Europe, Asia, Africa, and Latin America.
- PO 453 International Politics. 3 Semester Hours.**
A survey of the basic characteristics and theories of the international system. Special emphasis is placed on regional and international organization, international law, international economics, strategic studies, and international cooperation.
- PO 455 Public Administration Ethics. 3 Semester Hours.** (Also listed as JS 455 and PSA 455.) (Formerly titled Ethics for Public Administrators.)
Examines ethical issues encountered by administrators of government agencies. More specifically, this course explores the application of codes of ethics, theories of ethical decision-making, and ethical principles affecting public administration.
- PO 461 Directed Study/Research in Political Science. 1 Semester Hour.** (To be offered on occasion of student demand or need.)
Prerequisite: Consent of instructor.
Designed to meet the specific needs of Political Science majors.
- PO 462 Directed Study/Research in Political Science. 1 Semester Hour.** (To be offered on occasion of student demand or need.)
Prerequisite: Consent of instructor.
Designed to meet the specific needs of Political Science majors.
- PO 463 Directed Study/Research in Political Science. 1 Semester Hour.** (To be offered on occasion of student demand or need.)
Prerequisite: Consent of instructor.
Designed to meet the specific needs of Political Science majors.
- PO 465 Senior Research Project. 4 Semester Hours.** (Also listed as JS 465 and PSA 465.)
In this Capstone course, the student will work closely with the professor in designing and completing a major research project in an area of political science that is relevant to his or her career objectives. Must be Political Science major and have consent of instructor.

Procurement (PR) Courses

- PR 394 Introduction to Procurement. 3 Semester Hours.**
An introduction to that aspect of management science concerned with procurement.
- PR 395 Price and Cost Analysis. 3 Semester Hours.**
An examination of the role of the government contracting officer in the acquisition process. Emphasis is given to considering pricing practices and theories and to assessing the government's procedures and methods of evaluating pricing and costing activity.
- PR 396 Advanced Procurement Concepts and Introduction to Government Contract Law. 3 Semester Hours.**
Prerequisite: PR 394.
Detailed examination of the FAR to include recent interpretations of government contract law.
- PR 397 Contract Negotiation. 3 Semester Hours.**
Prerequisite: PR 394.
An examination of the concepts and techniques of negotiation. Topics covered include strategies and tactics of contract negotiation, preparation for sound negotiation, organization and operation of a procurement team, the relative positions of strength required for successful negotiation, and limitations as imposed by law. In addition to class lectures, the students will participate in mock negotiations using case studies.
- PR 398 Contract Administration. 3 Semester Hours.**
Prerequisite: PR 394.
An examination of the management of government contracts in the post-award phase. The content provides insight into the variety of administrative matters that arise during the life of a contract. Emphasis is given to a consideration of the rights and responsibilities of the government and contractor.

Psychology (PS) Courses

- PS 304 Drugs And Behavior. 3 Semester Hours.**
Prerequisite: General Psychology.
A survey of the psychosocial factors related to drug abuse and addiction. Special emphasis will be focused upon estimation of drug epidemiology, consequences of drug usage, and treatment of drug addiction.
- PS 310 The Professional Psychologist. 1 Semester Hour.**
Prerequisite: General Psychology.
Examines the career options available to psychology majors. Topics include what to do with a Bachelor's degree in psychology and issues related to graduate schools.
- PS 330 Educational Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
Application of psychological concepts and principles to classroom teaching and learning especially in the areas of motivation, individual differences, adjustment, and teacher-student interaction.

- PS 331 Social Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 Theory, research findings, and research methods pertaining to how the individual is influenced by the presence of others. Topics include interpersonal attraction, aggression, prejudice and discrimination, attitudes and attitude change, person perception, and pro-social behavior.
- PS 332 Child Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 General introduction to theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of development from conception to puberty. Topics include prenatal development, motor and perceptual capacities in infancy, cognitive development, the self and self-understanding, and the family.
- PS 334 Adolescent Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 Biological, psychological, and sociological perspectives with consideration of major theoretical approaches to adolescent development, development of cognitive processes, social attachment, sexual differences, emotional development, values, and moral attitudes.
- PS 335 Adult Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 General introduction to theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of adult development. Topics include development of identity, intellectual changes over the life span, relationships, career and retirement choices, and coping with death and dying.
- PS 336 Psychology of Learning. 3 Semester Hours.**
Prerequisite: General Psychology.
 A survey of the theories and concepts related to learning. The course will cover historical background, respondent conditioning, operant conditioning, imitation and cognitive models.
- PS 341 Statistics In Behavioral Science. 3 Semester Hours. (Also listed as PO 341 and SO 341.)**
Prerequisite: Psychology, Sociology, or Political Science major or minor or consent of instructor, Pre-calculus Algebra or equivalent.
 Elementary analysis of behavioral science data is considered by examining both descriptive statistics and inferential statistics.
- PS 342 Methods of Behavioral Science Research. 3 Semester Hours. (Also listed as PO 342 and SO 342.) (It is strongly recommended that students take PS/SO/PO 341 Statistics in Behavioral Science prior to taking PS/SO/PO 342.) (Lab fee.)**
Prerequisite: Psychology, Sociology, Political Science Major or Minor or consent of instructor.
 Theory design and collection of data in behavioral science with emphasis given to techniques by which behavioral science data is collected, analyzed, and interpreted.
- PS 352 Abnormal Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 A close consideration of the biological, biochemical, genetic, psychological, and psychosocial factors in behavior pathology. Issues of diagnosis, prognosis, and treatment will be studied.
- PS 368 Industrial and Personnel Psychology. 3 Semester Hours. (Also listed as GBA 368.) (Sometimes taught on a pass/fail basis.)**
 The application of psychology to industrial organization. Areas of consideration include morale and group processes, supervisory leadership, selection and placement, training, motivation, fatigue, accidents, interviewing, and industrial counseling.
- PS 375 Organizational Behavior. 3 Semester Hours. (Also listed as MG 375 and PSA 375.) (Sometimes taught on a pass/fail basis.) (Lab fee.)**
 A consideration of human behavior in organizational settings with emphasis on individual processes, group processes, and organizational structure and functions.
- PS 380 Experimental Psychology. 4 Semester Hours. (Lab fee.)**
Prerequisite: Psychology Major or Minor and PS/SO/PO 341 Statistics in Behavioral Science.
 An introductory course in experimental methods and procedures in psychology. Topics of discussion will include: hypothesis formation, internal and external validity, true experimental designs, quasi-experimental designs, single-subject designs, evaluation research, data collection, ethics, and formal reporting. Laboratory experience included.
- PS 401 Elements of Logical Thinking. 3 Semester Hours. (Also listed as PH 401.)**
Prerequisite: General Psychology.
 An introductory course that encourages critical thinking skills. Informal logic will be studied by analyzing cognitive biases and cognitive fallacies. Formal logic will be learned through the use of categorical sentences, truth functions, monadic quantification, and inductive and deductive reasoning.
- PS 402 Introduction to Clinical Psychology. 3 Semester Hours.**
Prerequisite: General Psychology and PS 352.
 An introduction to personality theory and the techniques of counseling and psychotherapy. An approach to psychotherapy and psychotherapeutic techniques will be emphasized within which various schools of thought can be considered in terms of a common framework.

- PS 406 Physiological Psychology. 3 Semester Hours. (Lab fee.)**
Prerequisite: General Psychology.
 A study of the relationships between physiological and psychological functions with special emphasis on mind-body interaction and the physiological explanations for human behavior. Topics of study include: nervous and endocrine systems, sleeping and waking, ingestive behavior, sexual behavior, reinforcement, punishment, motivation, emotions, and learning (disabilities, dysfunctions, etc.).
- PS 410 History and Systems of Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 A consideration of the scientific and philosophical antecedents of psychology, in addition to the history of the discipline. The course spans pre-Socratic thought to current and emerging issues in the field of psychology.
- PS 420 Cognitive Psychology. 3 Semester Hours.**
Prerequisite: General Psychology, Statistics, Experimental Psychology or Research Methods in Behavioral Science.
 This is an advanced psychology course that surveys the major topics in cognitive psychology. Special emphasis will be focused on attention, memory, language usage, problem solving, and decision making.
- PS 425 Tests & Measurements. 3 Semester Hours. (Lab fee.)**
Prerequisite: General Psychology.
 A survey of commonly used educational and psychological tests. Special emphasis will be focused upon test construction, standardization, reliability, validity, and the development of classroom (curriculum based) tests.
- PS 441 Special Topics in Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 To be offered on occasion of student demand or need.
- PS 442 Special Topics in Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 To be offered on occasion of student demand or need.
- PS 443 Special Topics in Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 To be offered on occasion of student demand or need.
- PS 444 Special Topics in Psychology. 3 Semester Hours.**
Prerequisite: General Psychology.
 To be offered on occasion of student demand or need.
- PS 461 Directed Studies in Psychology. 1 Semester Hour. (To be offered on occasion of student demand or need.)**
Prerequisite: General Psychology and consent of instructor.
 The student studies in an area of his/her particular interest approved by the instructor.
- PS 462 Directed Studies in Psychology. 2 Semester Hours. (To be offered on occasion of student demand or need.)**
Prerequisite: General Psychology and consent of instructor.
 The student studies in an area of his/her particular interest approved by the instructor.
- PS 463 Directed Studies in Psychology. 3 Semester Hours. (To be offered on occasion of student demand or need.)**
Prerequisite: General Psychology.
 The student studies in an area of his/her particular interest approved by the instructor.
- PS 464 Practicum in Psychology/Sociology. 3 Semester Hours. (Also listed as SO 464.)**
Prerequisite: Senior standing and consent of instructor.
 This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.
- PS 465 Practicum in Psychology/Sociology. 3 Semester Hours. (Also listed as SO 465.)**
Prerequisite: Senior standing and consent of instructor.
 This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.

Public Safety Administration (PSA) Courses

- PSA 349 Human Resources Management. 3 Semester Hours. (Also listed as MG 349.)**
 A study of the technical functions of Human Resources Management. Emphasis is on application to organizations that deliver public safety services.

PSA 350 Introduction to the American Legal System. 3 Semester Hours. (Also listed as JS 350, PO 350, and SO 350.)

Prerequisite: Introduction to Sociology.

This course is a review of basic legal doctrines and processes in the United States system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to pre-law majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.

PSA 375 Organizational Behavior. 3 Semester Hours. (Also listed as MG 375 and PS 375.) (Sometimes taught on a pass/fail basis.) (Lab fee.)

A consideration of human behavior in organizational settings with emphasis on individual processes, group processes, and organizational structure and functions.

PSA 377 Public Administration. 3 Semester Hours. (Also listed as MG 377 and PO 377.)

An examination of the major issues and concepts associated with management of governmental agencies. Topics include personnel management, financial management and budgets, political and legal environments, employee rights and responsibilities, program evaluation, and community relations.

PSA 380 Public Finance. 3 Semester Hours. (Also listed as PO 380).

This course provides students with information about government finance and budgeting. The political, administrative, and economic implications of decisions about government revenue sources, expenditures, and indebtedness are assessed.

PSA 425 Strategic Management Concepts for Public Safety Management. 3 Semester Hours.

An examination of the interrelationships among the various functions of public safety agencies, and a critical inquiry into the process of planning, implementing, and controlling the organizational strategy of Public Safety agencies.

PSA 441 Special Topics in Public Safety. 1 Semester Hour.

To be offered on occasion of student demand or need.

PSA 442 Special Topics in Public Safety. 2 Semester Hours.

To be offered on occasion of student demand or need.

PSA 443 Special Topics in Public Safety. 3 Semester Hours.

To be offered on occasion of student demand or need.

PSA 444 Special Topics in Public Safety. 4 Semester Hours.

To be offered on occasion of student demand or need.

PSA 445 Contemporary Issues Seminar in Public Safety. 3 Semester Hours. (Also listed as JS 445.)

An examination of contemporary topics that profoundly impact all public safety agencies. Subjects addressed include laws, court rulings, and regulatory agency requirements. Utilizes a research seminar format.

PSA 455 Public Administration Ethics. 3 Semester Hours. (Also listed as JS 455 and PO 455.) (Formerly titled Ethics for Public Administrators.)

Examines ethical issues encountered by administrators of government agencies. More specifically, this course explores the application of codes of ethics, theories of ethical decision-making, and ethical principles affecting public administration.

PSA 459D Public Safety Supervisor.

PSA 460D Public Safety Manager/Administrator.

PSA 461D Public Safety Instructor.

PSA 462D Haz-Mat Technician.

PSA 463D Haz-Mat Specialist.

PSA 465 Senior Research Project. 3 Semester Hours. (Also listed as JS 465 and PO 465.)

Prerequisite: Public Safety Administration major and consent of instructor.

Provides supervised administrative experiences in appropriate public safety agencies. This course includes routine seminars with discussion and evaluation of experiences in the field. Must be a Public Safety Administration major and have consent of the instructor.

Physics (PY) Courses

PY 300 Physics for Non-majors. 4 Semester Hours. (Lab fee.)

Prerequisite: Precalculus algebra.

Comprehensive introduction to concepts and methods of physics, including discussion of mechanics, thermal physics, electricity and magnetism, and optics. Some basic problem solving is required.

PY 301 Calculus Physics I. 3 Semester Hours. (Lab fee.)

Corequisite: PY 301L. Prerequisite: Calculus I, II.

Calculus-based introduction to principles of mechanics, energy, waves, and fluids.

- PY 301L Calculus Physics I Lab. 1 Semester Hour.**
Corequisite: PY 301.
- PY 302 Calculus Physics II. 3 Semester Hours. (Lab fee.)**
Corequisite: PY 302L. Prerequisite: PY 301.
 Continuation of PY 301. Calculus-based introduction to principles of heat, electricity, magnetism, and optics.
- PY 302L Calculus Physics II Lab. 1 Semester Hour.**
Corequisite: PY 302. Prerequisite: PY 301L.
- PY 303 Calculus Physics III (Modern Physics). 3 Semester Hours. (Lab fee.)**
Corequisite: PY 303L. Prerequisite: Calculus I, II.
 Calculus-based introduction to topics in modern physics, including quantum physics and atomic and nuclear structure.
- PY 303L Calculus Physics III (Modern Physics) Lab. 1 Semester Hour.**
Corequisite: PY 303.
- PY 306 Thermal Physics. 4 Semester Hours.**
Prerequisite: PY 302, Calculus III.
 Study of thermal energy, equations of state, entropy, and the laws of classical and statistical thermodynamics.
- PY 309 Mechanics I. 3 Semester Hours. (Lab fee.)**
Prerequisite: PY 302, MA 421.
 Study of the laws and principles of classical mechanics including particle motion, central forces, and motion of rigid bodies. Solution of many problems required.
- PY 310 Mechanics II. 3 Semester Hours.**
Prerequisite: PY 309.
 Study of laws and principles of classical mechanics including particle motion, central forces, and motion of rigid bodies. Solution of many problems required.
- PY 312 Electricity and Magnetism I. 3 Semester Hours. (Lab fee.)**
Prerequisite: PY 302, MA 421.
 Theory of electromagnetic fields and waves as developed from basic experimental laws. Emphasis placed on techniques of problem solving.
- PY 344 Principles Of Optics. 4 Semester Hours. (Lab fee.)**
Prerequisite: PY 303, MA 421.
 Study of optical phenomena including wave motion, reflection, refraction, image formation, and dispersion.
- PY 345 Physical Optics. 4 Semester Hours. (Lab fee.)**
Prerequisite: PY 344.
 Selected topics in classical and modern physical optics. Covers polarization, interference, Fresnel and Fraunhofer diffraction, Fourier methods, coherence, stimulated emission, lasers, and holography.
- PY 400 Mathematical Methods in Physics. 3 Semester Hours.**
Prerequisite: PY 303, MA 421.
 Introduction to special mathematical functions and techniques with emphasis on their use in physics. Topics include complex variables, polynomial functions, special series, and solution of equations in advanced physics.
- PY 412 Electricity and Magnetism II. 3 Semester Hours. (Lab fee.)**
Prerequisite: PY 312.
 Theory of electromagnetic fields and waves as developed from basic experimental laws. Emphasis is placed on techniques of problems solving.
- PY 415 Introductory Quantum Physics. 3 Semester Hours.**
Prerequisite: PY 303, MA 428 recommended.
 Advanced introduction to quantum mechanics, the Schrodinger wave equation, the one-electron atom, spin, and complex atoms.
- PY 416 Intermediate Quantum Physics. 3 Semester Hours. (Continuation of PY 415.)**
Prerequisite: PY 415.
 Advanced introduction to molecules, statistical physics, solids, and nuclear physics.
- PY 435 Senior Laboratory. 3 Semester Hours.**
Prerequisite: PY 303, 309, and 312.
 Selected experiments from modern physics, electricity and magnetism, optics, and thermodynamics.
- PY 441 Special Topics in Physics. 3 Semester Hours.**
Prerequisite: Consent of instructor.
 Selected topics in upper-level physics. To be offered on occasion of student demand or need.

PY 461 Directed Study and Research in Physics. 1 Semester Hour.
Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

PY 462 Directed Study and Research in Physics. 2 Semester Hours.
Prerequisite: Consent of instructor.
To be offered on occasion of student demand or need.

PY 463 Directed Study and Research in Physics. 3 Semester Hours.
Prerequisite: Consent of Instructor.
To be offered on occasion of student demand or need.

Religion (RE) Courses

RE 301 Major Religions of the World. 3 Semester Hours.
A study of the principal non-Christian religions of the world in comparison with Christianity.

RE 303 Current Religious Movements and Issues. 3 Semester Hours.
An examination of current religious issues and movements which are influential in the thought and practice of modern society.

RE 312 History of Judaism. 3 Semester Hours.
Presents Judaism from the destruction of the Temple through medieval times. Examines the world of Talmud, Midrash, Response and the general Diaspora. Requires reading from historical and tenetial sources.

RE 314 History of Islam. 3 Semester Hours.
Presents Islam from its beginning, in an historical, religious, and geographical context, to its major geographical, doctrinal, and sectarian spread internationally.

RE 320 Introduction to the Old Testament. 3 Semester Hours.
A study of Hebrew history and thought as recorded in the Old Testament.

RE 321 Introduction to the New Testament. 3 Semester Hours.
A study of the beginnings of the Christian faith and church as recorded in the New Testament.

RE 325 Philosophy of Religion. 3 Semester Hours. (Also listed as PH 325.)
A philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality and the belief in life after death. Special attention is given to the impact of science upon religion.

RE 327 Sociology of Religion. 3 Semester Hours. (Also listed as SO 327.)
The interaction, interpretation, and inter-relationships of religion, society, and individual morality in American religious behavior and institutions.

RE 330 Biblical Hebrew Grammar I. 3 Semester Hours.
Inductive approach, utilizing the Biblical narratives, especially in Genesis and the Books of Kings.

RE 331 Biblical Hebrew Grammar II. 3 Semester Hours.
Emphasis on conjugations, syntax, and morphology, Hebrew poetry, and Hebrew narrative.

RE 335 History of Christianity. 3 Semester Hours. (Also listed as HY 335.)
A survey of the background and origin of the Christian movement and its development to the presenttime.

RE 340 New Testament Greek I. 3 Semester Hours.
For Beginners. Greek grammar utilizing New Testament vocabulary.

RE 341 New Testament Greek II. 3 Semester Hours.
Continuation of RE 340.

RE 351 Christian Thought Today. 3 Semester Hours.
A critical study of contemporary Christian theological perspectives, which will cover a broad spectrum of current theological perspectives including evangelical, conservative, liberal, neo-reformation, liberationist, feminists, and other post-modern approaches.

RE 403 Religion in Life. 3 Semester Hours.
An examination of religious ethics from various religious perspectives with the primary focus on western religious traditions and a comparison of western traditions with eastern ones observing both similarities and differences.

RE 409 Christian Thought in Early Centuries. 3 Semester Hours.
A study of Christian thought in Jesus, Paul, and other leaders in the first centuries.

- RE 412 The Hebrew Prophets. 3 Semester Hours.**
An examination of the settings, psychology, and conventional forms of prophecy in the ancient Near East as well as the writings of the former and latter prophets of the Old Testament.
- RE 413 The Wisdom and Devotional Literature. 3 Semester Hours.**
A historical and faith analysis of the Books of Job, Ecclesiastes, Song of Solomon, Proverbs, Psalms, and other 4th and 3rd century BC Old Testament writings.
- RE 415 Religious Dimensions in Literature and Art. 3 Semester Hours.**
A study of various theological themes as they appear in literature and the arts.
- RE 416 Interpreting the Text. 3 Semester Hours**
An examination of various ancient, historical, and literary methods of interpreting literature covering the range from ancient ways of reading texts to current poststructuralist approaches. Even though primary emphasis will center on religious texts, there will be considerable attention given to issues and methods that emerged from the realms of the social sciences, literature, and philosophy.
- RE 441 Special Topics in Religion. 1 Semester Hour.**
To be offered on occasion of student demand or need.
- RE 442 Special Topics in Religion. 2 Semester Hours.**
To be offered on occasion of student demand or need.
- RE 443 Special Topics in Religion. 3 Semester Hours.**
To be offered on occasion of student demand or need.
- RE 461 Directed Study/Research in Religion. 1 Semester Hour.**
(Open only to superior majors.) (May be repeated for up to six additional hours of credit.) (To be offered on occasion of student demand or need.)
Prerequisite: Consent of instructor.
- RE 462 Directed Study/Research in Religion. 1 Semester Hour.**
(Open only to superior majors.) (May be repeated for up to six additional hours of credit.) (To be offered on occasion of student demand or need.)
Prerequisite: Consent of instructor.
- RE 463 Directed Study/Research in Religion. 1 Semester Hour.**
(Open only to superior majors.) (May be repeated for up to six additional hours of credit.) (To be offered on occasion of student demand or need.)
Prerequisite: Consent of instructor.

Special Education (SE) Courses

- SE 301 Introduction to Exceptional Learners. 3 Semester Hours.**
A general survey course which addresses etiology, identification, incidence, curriculum modification, parent interaction, placement options, and inclusion of all types of educationally exceptional learners in general education settings. Field experience is required.
- SE 305 Meeting the Needs of Exceptional Vocational Education Students. 3 Semester Hours.**
A general survey course which addresses the identification, characteristics, needs, and legal rights of adolescent and adult exceptional learners. Instruction and curriculum modifications and interagency planning to assist in serving the unique needs of these students will also be addressed.
- SE 315 Introduction to Cognitive and Health Disabilities. 3 Semester Hours.**
Prerequisite: SE 301 or concurrent enrollment.
This course provides an overview of causes, characteristics, educational needs of, and issues associated with mental retardation, orthopedic impairments, and other health impairments. Field experience is required.
- SE 325 Introduction to Learning and Emotional Disabilities. 3 Semester Hours.**
Prerequisite: SE 301 or concurrent enrollment.
This course provides an overview of causes, characteristics, and issues associated with learning disabilities and emotional disabilities. Field experience is required.
- SE 335 Curriculum Development and Adaptations. 3 Semester Hours.**
Prerequisite: Math or reading methods courses as well as SE 301 or concurrent enrollment.
This course teaches the sources and development of appropriate curricula for a wide variety of students. It will include familiarity with state courses of study for inclusive settings as well as intense curricula for social and occupational needs in the resource setting.
- SE 345 Assessment I: Norm Referenced Tests. 3 Semester Hours. (Lab fee.)**
Prerequisite: SE 301 and either 315 or 325.
This course provides training and hands-on experience with formal, norm-referenced tests for use with exceptional students at elementary and secondary school levels. Topics include basic concepts of measurement, test development and technical characteristics, test administration, test scoring, and score interpretation. Administration of a battery of tests to a student and preparation of a formal report of testing are required.

- SE 355 Alternative Instructional Strategies. 3 Semester Hours.**
Prerequisite: At least one math and one reading methods course and SE 355, 315, or 325; concurrent enrollment.
 This course provides the pre-service teacher with alternative corrective procedures for a variety of academic, social, and occupational problems. Field experience is required.
- SE 415 Transition Planning and Learning Strategies for Adolescents. 3 Semester Hours.**
Prerequisite: SE 301, 315, 325, 335 or concurrent enrollment.
 This course provides training and hands-on experience with intervention strategies for adolescents with a variety of needs. It will include expertise in academic support, functional skills, social and career skills. Field experience is required.
- SE 425 Conferencing and Collaborative Techniques. 3 Semester Hours.**
Prerequisite: Admission to TEP.
 This course is designed to develop communication skills and ethical standards in communicating programs and problems of the exceptional learner to parents, professionals, students, and other appropriate personnel. May be taken concurrently with the internship.
- SE 435 Strategies for Individuals with Severe Disabilities. 3 Semester Hours.**
Prerequisite: SE 301, 315, 325 and 335.
 This course provides training and hands-on experience with intervention strategies for students with severe mental, physical, and emotional disabilities. It will include intensive field experience in functional skills, movement and medical procedures, and in working with out-of-control students. Field experience is required.
- SE 445 Assessment II: Advanced Procedures and Techniques. 3 Semester Hours. (Lab fee.)**
Prerequisite: SE 345.
 This course focuses on assessment procedures that do not rely on formal, norm-referenced tests. Topics include curriculum-based assessment, portfolio assessment, functional behavioral assessment, and the use of structured observation, rating scales, and assessment of classroom ecology. Administration of batteries of tests, application of techniques and procedures from this course to two students, and preparation of a formal written report of assessments are required.
- SE 455 Language and Development Strategies for Young Children. 3 Semester Hours.**
Prerequisite: SE 301, 315, 325 or concurrent enrollment.
 This course emphasizes the development of language, cognitive, social, and motor skills. Topics include strategies and materials used to meet the developmental needs of young children with a variety of disabilities. Field experience is required.
- SE 465 IEPs and Other Legal Issues. 3 Semester Hours.**
Prerequisite: SE 301, 315, 325, 335 and 345.
 This course provides an overview of legal guidelines governing the implementation of special education services including federal and state regulations as well as court cases. It will include development of IEPs for a variety of students.
- SE 495 Classroom Management and Discipline. 3 Semester Hours.**
Prerequisite: SE 301 and either SE 315 or 325.
 This course is designed to develop an understanding of classroom dynamics and behavioral problems. Topics include physical environment management and curriculum management as well as a wide variety of disciplinary strategies.

Speech (SH) Courses

- SH 401 Conflict Management. 3 Semester Hours. (Will satisfy general speech requirement. Will not satisfy literature requirement.)**
 A course in individual public speaking, interpersonal communication, and group dynamics. Emphasis on conflict reduction and problem solving.

Sociology (SO) Courses

- SO 300 Moral Values Today's Society. 3 Semester Hours. (Also listed as PH 300.)**
 A sociological approach to the study of morality combined with a philosophical examination of what moral value is and how moral values may be realized in today's society. Emphasis will be given to specific current moral issues.
- SO 304 Sociology of Work. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 Consists of sociological analysis of work in pre-industrial and industrial societies; a consideration of problems involved in the conceptual and empirical study of occupations and professions; an examination of the process of professionalism; and the study of leisure and the social consequences of changes in occupations and professions.
- SO 312 Majority/Minority Group Relations. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 A study of the principles and processes which shape the patterns of relations between majority groups, racial, ethnic, and other groups, with emphasis on American society, along with a comparison of inter-group relations in other societies.
- SO 314 Population Study. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 The relationship of demographic factors to the social structure. Trends in fertility, mortality, population growth, distribution, migration, and composition.

- SO 327 Sociology of Religion. 3 Semester Hours.** (Also listed as RE 327.)
Prerequisite: Introduction to Sociology.
 The interaction, interpretation, and interrelationships of religion, society, and individual morality in American religious behavior and institutions.
- SO 341 Statistics In Behavioral Science. 3 Semester Hours.** (Also listed as PO 341 and PS 341.)
Prerequisite: Psychology, Sociology, or Political Science Major or Minor or Permission, Pre-calculus Algebra or Equivalent.
 Elementary analysis of behavioral science data is considered by examining both descriptive statistics and inferential statistics.
- SO 342 Methods of Behavioral Science Research. 3 Semester Hours.** (Also listed as PO 342 and PS 342.) It is strongly recommended that students take PS/SO/PO 341 Statistics in Behavioral Science prior to taking PS/SO/PO 342. (Lab fee.)
Prerequisite: Psychology, Sociology, Political Science Major or Minor, or Permission.
 Theory design and collection of data in behavioral science with emphasis given to techniques by which behavioral science data is collected, analyzed, and interpreted.
- SO 350 Introduction to the American Legal System. 3 Semester Hours.** (Also listed as JS 350, PO 350, and PSA 350.)
Prerequisite: Introduction to Sociology.
 This course is a review of basic legal doctrines and processes in the United States system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide pre-law majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.
- SO 351 Political Sociology. 3 Semester Hours.** (Also listed as PO 351.)
Prerequisite: Introduction to Sociology.
 Explores what federal, state, and local governments are doing to solve major social problems, such as poverty, crime, and minority group relations.
- SO 360 The Contemporary American Family. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 A study of the origin and evolution of the family as a social institution and the relationship of family structure to social organization.
- SO 361 Social Analysis. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 A study of the basic principles of social organization including an examination of the structure and function of groups and complex organizations including social institutions, with special emphasis on their operation in American society.
- SO 362 Deviant Social Behavior. 3 Semester Hours.**
Prerequisite: Introduction to Sociology. An in-depth examination of the social implication of labeling deviant behavior and its effects upon both the individual and society.
- SO 363 Social Structure and Personality. 3 Semester Hours.**
Prerequisite: Introduction to Sociology. An analysis of the relationship of the culture and individual behavior through social influences.
- SO 401 Adult Corrections. 3 Semester Hours.** (Also listed as JS 401.)
Prerequisite: Introduction to Sociology. Socio-economic facets of crime and principles and practices of delinquency, probation, and parole. Interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed.
- SO 441 Special Topics in Sociology. 1 Semester Hour.**
Prerequisite: Introduction to Sociology.
 A study of social issues and contemporary social problems and their consequences.
- SO 442 Special Topics in Sociology. 2 Semester Hours.**
Prerequisite: Introduction to Sociology. A study of social issues and contemporary social problems and their consequences.
- SO 443 Special Topics in Sociology. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 A study of social issues and contemporary social problems and their consequences.
- SO 444 Special Topics in Sociology. 4 Semester Hours.**
Prerequisite: Introduction to Sociology.
 A study of social issues and contemporary social problems and their consequences.
- SO 452 Advanced Criminology. 3 Semester Hours.** (Also listed as JS 452.)
Prerequisite: Introduction to Sociology.
 Analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation.
- SO 453 Juvenile Delinquency. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 An in-depth examination of juvenile delinquency within a sociological framework. Includes both a theoretical and practical emphasis.

- SO 460 Sociological Theories. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 An historical examination of the theories and principles of sociological theory with emphasis on current theory and its relationship to research.
- SO 461 Directed Study/Research in Sociology. 1 Semester Hours.**
Prerequisite: Introduction to Sociology.
 Designed to examine selected topics from a sociological perspective. Open to senior-level majors by approval.
- SO 462 Directed Study/Research in Sociology. 2 Semester Hours.**
Prerequisite: Introduction to Sociology.
 Designed to examine selected topics from a sociological perspective. Open to senior-level majors by approval.
- SO 463 Directed Study/Research in Sociology. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 Designed to examine selected topics from a sociological perspective. Open to senior-level majors by approval.
- SO 464 Practicum in Psychology/Sociology. 3 Semester Hours. (Also listed as PS 464.)**
Prerequisite: Senior Standing and Approval of Instructor.
 This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.
- SO 465 Practicum in Psychology/Sociology. 3 Semester Hours. (Also listed as PS 465.)**
Prerequisite: Senior Standing and Approval of Instructor.
 This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The practicum entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.
- SO 471 Aging in a Mass Society. 3 Semester Hours.**
Prerequisite: Introduction to Sociology.
 A study of the aging process, the special problems encountered by the aging and by the institutions of society involved in the care of the aging.
- SO 490 Senior Sociology Seminar. 1 Semester Hour.**
Prerequisite: Introduction to Sociology.
 Students synthesize material presented in courses on theory, methods, statistics, as well as an understanding of issues in substantive areas by preparing a written critical analysis of several published research articles. Graduating seniors majoring in sociology must complete this course to demonstrate competency. Enrollment should be only in the last semester before graduation.

Social Science (SS) Courses

- SS 301 Social Science Research Methods. 3 Semester Hours. (Also listed as PO 301 and HY 301.) (Should be taken at the beginning of the junior year.)**
 A course designed to develop the techniques of social science research and to explore varying historical interpretations. Also aims at preparation of teaching materials.
- SS 310 Modern Economics. 3 Semester Hours. (Also listed as EC 310.)**
 A macro examination of the operation of modern economic systems including price determination, aggregate demand and supply theory, public policy options, and the philosophical foundations of free market and command systems.
- SS 321 Money And Banking. 3 Semester Hours. (Also listed as EC 321.)**
Prerequisite: Principles of Economics.
 A study of how money, credit, and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of income determination, as well as recent trends in banking.
- SS 323 Introduction To Managerial Economics. 3 Semester Hours. (Also listed as EC 323.)**
 A course that analyzes the behavior of individual firms and households carrying on production or consumption. The material provides a practical examination of important microeconomic principles behind the operation of any modern business and explains the analytical tools used in making effective management decisions.

Theatre (TH) Courses

- TH 311 Drama Production. 3 Semester Hours. (Lab fee.) (Will not satisfy literature requirement. Designed to fulfill requirements for Language Arts majors.)**
 Study and practical experience in producing, acting, and directing, or otherwise active participation in stage craft in school or community theatre. An opportunity exists for qualified students to study with the Alabama Shakespeare Festival Theatre.

OFFICE OF THE PRESIDENT

Jerry F. Bartlett, President. B.S., Florence State College; J.D., Samford University, Cumberland School of Law; Additional study, Alabama Bar Institute for Continuing Legal Education.

Sandra Cook, Secretary to the President. B.S.Ed., Athens State College.

Gayle Romine Davis, Administrative Assistant to the President. B.S., Athens State College.

Richard L. Mould, Special Assistant to the President for External Affairs. B.A., Huntington College; M.A., University of Alabama/Huntsville.

Ellen Breland, Secretary to the Special Assistant to the President for External Affairs.

Angeline Nazaretian, Director of Alumni Affairs. B.S., Alabama College, Montevallo; M.A., Ed.D., The University of Alabama.

Sue Cook, Secretary to the Director of Alumni Affairs.

OFFICE OF THE DEAN OF ACADEMICS AFFAIRS

Richard E. Boyd, Dean of Academic Affairs/Planning Coordinator. B.S.Ed., Northern State University; M.Ed., South Dakota State University; Ph.D., University of Nebraska.

Linda L. Rogers, Administrative Assistant to the Dean of Academic Affairs. B.S., Athens State College.

Tina Hicks, Secretary to the Dean of Academic Affairs. B.S., Athens State College.

Shirley Williams, Assistant to the Dean of Academic Affairs for Redstone Arsenal Extension. A.A., Calhoun State Community College; B.S., Athens State College; M.A., The University of Alabama; Additional study, University of Alabama and The University of North Alabama.

Marc Beaudette, Evening Staff Assistant, Redstone Arsenal Extension. B.S.Ed., Athens State College; M.S.Ed., Alabama A&M University.

Nancy Bynum, Part-time Secretary, Redstone Arsenal Extension.

Adrienne Miller, Part-time Secretary, Redstone Arsenal Extension.

Management Information Systems Institutional Research

Bradley Griggs, Director of Management Information Systems and Institutional Research. A.S., Snead State Junior College, B.S., Athens State College.

Sara Love, Secretary to the Director of MIS & Institutional Research.

Cathy Brett, Programmer/Analyst. B.S., Athens State College.

Steve Clark, Microcomputer Systems Coordinator. B.S., University of North Alabama.

Debbie Miller, Programmer/Analyst. B.S. Lawrence Institute of Technology.

Daniel Mingo, LAN Administrator. B.A. University of the State of New York, Albany; M.S., University of Arkansas; Additional study: University of Arkansas, University of Oklahoma; C.N.A.

SCHOOL OF ARTS AND SCIENCES

- Thomas S. Jandebaur, Professor of Biology and Dean.** B.S., M.S., Ph.D., The University of Alabama; Additional study, University of North Alabama, Auburn University, Vanderbilt University, University of Alabama in Huntsville, Harvard University, Northeastern University (The School for Field Studies), and Chautauqua (University of Georgia, University of Puerto Rico, Christian Brothers University).
- Paul R. Allison, Associate Professor of Computer Science.** B.S., Jacksonville State University; M.S., The University of Alabama.
- Richard E. Boyd, Professor of Speech and Dean of Academic Affairs.** B.S.Ed., Northern State University; M.Ed., South Dakota State University; Ph.D., University of Nebraska.
- Jesse Brown, Professor of Political Science and Justice Studies.** B.A. Jacksonville State University; M.A., Ph.D., Southern Illinois University.
- Carey E. Cooper, Professor of Computer Science.** B.S., Auburn University; M.B.A. Alabama A&M University; M.S., Ph.D. The University of Alabama in Huntsville.
- Lawrence A. Covick, Assistant Professor of Chemistry.** B.S., University of Illinois; M.A., University of South Dakota; Ph.D., University of Iowa.
- William F. Crumbley, Distinguished Professor of Computer Science.** B.S., Florence State University; Additional study, The University of Alabama in Huntsville and Auburn University.
- Frazier M. Douglass, Associate Professor of Psychology.** B.S., M.A.C.T., Auburn University; Ph.D., University of Wisconsin-Milwaukee.
- Mark W. Durm, Professor of Psychology.** A.A., Martin Methodist College; B.A., M.A., Additional study, Middle Tennessee State University; Ph.D., The University of Mississippi; B.S. in Business Administration, Athens State College; Postdoctorate; Visiting Scholar, Dartmouth College.
- Albert E. Elmore, Professor of English and Drama.** B.A., Millsaps College; M.A., Vanderbilt University; J.D., The University of Mississippi; Ph.D., Vanderbilt University.
- Lawrence D. Erwin, Jr., Assistant Professor of Public Safety Administration.** A.A.S., Jefferson State Community College; B.B.A., University of Montevallo; B.S., Athens State College; M.A., University of Alabama; Additional study, University of Alabama at Birmingham.
- Neal Fentress, Professor of Mathematics.** A.A., Bethel College; B.S., M.A., Murray State University; Ph.D., The University of Alabama.
- Ronald Graham, Associate Professor of Mathematics and Computer Science.** B.S., Florence State College; M.A., The University of Alabama; Additional study, The University of Alabama in Huntsville and Florida State University.
- Gregory S. Holliday, Associate Professor of Physics and Instrumentation Technology.** B.S., College of Charleston; M.S., Ph.D., The University of Arkansas.
- Dennis S. Johnson, Associate Professor of Art.** B.A., Athens College; M.A., The University of Alabama.
- Harry Mason Joiner, Professor of Political Science.** B.A., DePauw University; M.S., Institute of International Studies, Geneva, M.A., Ph.D., The University of Kentucky.
- Tim R. Jones, Professor of Justice Studies and Public Safety Administration.** B.A., University of Alabama in Huntsville, M.S., Auburn University at Montgomery; Ed.D., Auburn University. Additional study, Calhoun Community College; Princeton Theological Seminary; Memphis State University; Auburn University.
- Pamela Keller, Associate Professor of Art.** B.F.A., Heron School of Art, M.F.A., University of Wisconsin.

- R. Bryan Kennedy, Professor of Psychology.** B.S., Middle Tennessee State University; M.A., M.A.P.A., University of Oklahoma, Ed.D., Vanderbilt University.
- Penne J. Laubenthal, Professor of English.** B.A., M.A.T., Athens College; Ph.D., George Peabody College; Additional study, The University of North Carolina, Cornell University and Harvard University.
- Jennie Legge, Assistant Professor of Mathematics.** B.S., M.A., The University of Alabama; Additional study, Auburn University at Montgomery and the University of North Alabama.
- Nancy McDonald, Associate Professor of Chemistry.** B.S. Erskine College; M.S., Vanderbilt University; D.A., Middle Tennessee State University.
- Tony L. Moyers, Assistant Professor of Religion and Philosophy.** B.A., Athens State College; Ph.D., Baylor University; Additional study, Vanderbilt University.
- Alfred C. Mierzejewski, Associate Professor of History.** B.A., Southeastern Massachusetts University; M.A., Ph.D., University of North Carolina - Chapel Hill.
- Christopher J. Otto, Assistant Professor of Biology.** B.S., Indiana University; Ph.D. University of Wisconsin.
- Susan E. Owen, Assistant Professor of Psychology.** B.S., Emporia State University; M.A., Ph.D., University of Kansas.
- Donald R. Payne, Professor of Physics & Instrumentation.** B.A., Athens College; M.S., Ph.D., Auburn University.
- Lisa Rich, Associate Professor of Computer Science.** B.S., University of Alabama; M.S., University of Alabama in Huntsville, Ph.D., Nova-Southeastern University.
- Jenita Smith, Assistant Professor of English.** B.A. and B.S.Ed., Athens State College; M.A., University of North Alabama; Additional study, University of North Alabama, University of Alabama in Huntsville, and Middle Tennessee State University.
- Teresa M. Terrell, Associate Professor of Sociology.** B.A., M.S.W., The University of Alabama; Additional study, Vanderbilt University.
- Douglas M. Wertsch, Associate Professor of History.** B.S., M.A., Ph.D., Iowa State University.
- Janet Woody-Dorning, Assistant Professor of Psychology.** A. A., Columbia State Community College; B.A., University of Memphis, M.S., University of Florida; Ph.D., University of Florida.

SCHOOL OF BUSINESS

- James F. Haynes, Professor of Economics and Dean.** B.A., Millsaps College; M.S., Alabama A&M University; Ph.D., Vanderbilt University.
- J. Mark Anderson, Associate Professor of Legal Studies.** B.A., J.D., The University of Alabama. Additional study: University of Alabama; Alabama Bar Institute for Continuing Legal Education; Georgia Southern University; University of North Alabama.
- Jerry F. Bartlett, Professor of Legal Studies.** B.S., Florence State College; J.D., Samford University, Cumberland School of Law; Additional study, Alabama Bar Institute for Continuing Legal Education.
- LaDoris Baugh, Assistant Professor of Business Administration.** B.S., Alabama A&M University; M.S.M., University of Alabama in Huntsville; C.F.M.
- Eddy J. Burks, Professor of Accounting.** B.S., The University of Alabama; M.B.A., Louisiana Tech University; D.B.A., Louisiana Tech University; C.P.A.

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Robert D. Gulbro, Professor of Management. B. S. University of Alabama; M.B.A., University of Alabama; D.B.A., Mississippi State University.

Linda J. Hemingway, Assistant Professor of Accounting. A.A., Community College of Allegheny County; B.S., Western New Mexico University; M.A., New Mexico State University; C.P.A.

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David Nye, Professor of Management. B.S., The University of Tennessee; M.B.A., Virginia Commonwealth University; Ph.D., Auburn University.

Arthur L. Pevahouse, Assistant Professor of Management & Marketing. B.S., Athens State College; M.B.A., Alabama A & M University; D. B. A., Louisiana Tech University.

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SCHOOL OF EDUCATION

Jonita S. Haynes, Professor of Education and Dean. B.S., Jacksonville State College; M.Ed., Alabama A&M University; Ph.D., Vanderbilt University.

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Virgiana C. Hamm, Assistant Professor of Education. B.S., University of Southern Mississippi; M.Ed., Ed.D., Northeast Louisiana University; Additional study, University of Missouri, University of Cincinnati, Tyler Junior College, and the University of Texas at Tyler.

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Mickey Maddox, Assistant Professor of Career/Technical Education, A.A., Calhoun Community College; B.A., M.A., University of Alabama, Ed.D., Mississippi State University; Additional study, University of Southern Mississippi; Rutgers University, Southeastern Institute of Technology, Alabama A&M University, and Drake Technical College.

Mary Lou Maples, Professor of Education. B.S., Auburn University; M.Ed., M.L.S., The University of Alabama, University of Mississippi; Ed.D., University of Tennessee.

Nathaniel Mitchell, Assistant Professor of Physical Education. B.S.Ed., Athens State College; M.Ed., University of North Alabama; Additional Study, Middle Tennessee State University.

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Angeline Nazaretian, Professor of Physical Education. B.S., Alabama College, Montevallo; M.A., Ed.D., University of Alabama.

Betty Dean Newman, Professor of Education. B.S. Ed., University of North Alabama; M.Ed., Alabama A & M University; Ed.D., University of Alabama; Additional study, Peabody College of Vanderbilt University, The University of Alabama.

Gail Pettus, Associate Professor of Education. B.S., Jacksonville State University; M.A., University of Alabama, Birmingham; Ed.D., University of Alabama.

Leah Robbins, Assistant Professor of Education, B.S., M. Ed., University of Montevallo, Ed.D., University of Alabama at Birmingham.

Tina Sloan, Assistant Professor of Elementary Education and Math/Reading Clinic Director. B.S., University of Montevallo; M.A., University of North Alabama; Ed.S., University of Montevallo; Ed.D., University of Alabama.

Bruce Thomas, Associate Professor of Physical Education. B.S.Ed., Athens State College; M.A., The University of Alabama in Birmingham; Ed.D., The University of Alabama; Additional study: The University of Wisconsin.

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North Alabama Teacher Exchange

Judy Britt, Executive Director. NATE Executive Director and Assistant Professor of Elementary Education. B.S., M.A., Ph.D., University of Alabama.

Johnnie Renick, Associate Director. B.A., Elon College; M.A., Virginia Polytechnic Institute and State University.

Charlotte Feigley, Secretary, North Alabama Teacher Exchange. B.S., Athens State College.

Science in Motion

Nancy Giles, Master Teacher, Science in Motion, Biology. B.S. & M.A., University of North Alabama; Additional Studies at the University of Alabama, Tuscaloosa.

Debbie Blackwood, Master Teacher, Science in Motion, Chemistry. A.A., Wallace State Community College; B.S., Athens State College; M.A., University of Alabama, Birmingham.

ACADEMIC SUPPORT PERSONNEL

Celeste Bedingfield, Secretary, School of Arts and Sciences (Behavioral Science). B.S. Ed., Jacksonville State University.

Karen Brock, Secretary, School of Education, B.B.A., Athens State College.

Patricia Chavanne, Administrative Assistant to the Dean of the School of Business. B.S., University of Alabama in Huntsville.

Tim Crafton, Computer Technician, School of Business, B.S.B.A., Auburn University; C.N.A.; M.C.P.

Pamela Crosby, Curriculum Lab Supervisor, School of Education, B.S.Ed., University of Tennessee.

David Fitzsimmons, Instrumentation/Computer Technician, School of Arts and Sciences. B.S., Athens State College; Additional study, Alabama A&M University.

Vicki Johnson, Counselor, School of Business. B.S., Athens State College.

Janice Kelley, Chemistry Lab Supervisor. B.S., M.A., University of North Alabama.

Jim Limbach, Microcomputer Technician; School of Education. B.S., Athens State College.

Vivian Morgan, Certification Officer, School of Education.

Molly Pepper, Secretary, School of Education. B.S.Ed., Athens State College.

Wanda Pryor, Certification Office Secretary, School of Education. A.A., Calhoun State Community College. Additional study, Berea College, B.S., Athens State College.

Carol Quillen, Secretary, School of Arts and Sciences (Humanities/Social Science). B.A., Athens State College.

Mary Simpson, Secretary, School of Arts and Sciences (Science/Mathematics/Computer Science).

Donna Thomas, Secretary, School of Business. B.S., Athens State College.

LIBRARY

Robert R. Burkhardt, Director of the Library and Associate Professor of Bibliography. B.A., Auburn University; M.S.L.S., The University of Tennessee; Ph.D., The University of Alabama.

Carla Breeding, Circulation/Technical Services.

Curtis Cagle, Media Specialist.

Jonny Clendenon, Head of Circulation Services/Instructor. B.A., Athens State College; M.L.S., University of Alabama.

Barbara Grigshy, Assistant Professor of Bibliography. B.A., Athens State College; M.L.S., The University of Alabama.

Rita Harden, Secretary to the Director of Library. B.S., Alabama A&M University.

Patsy Naves, Acquisitions/Circulation. B.S., Athens State College.

Eugene Shockley, Instructor. B.A., M.S.L.S., Linda Vista College; Th.D., St Petersburg Theological Academy.

Judy Stinnett, Interlibrary Loan/Technical Services Specialist. B.S., Athens State College.

Timothy Dale Williams, Assistant Professor of Bibliography. A.S., Calhoun State Community College; B.S., Athens College; Business Education Certification, Athens State College; M.S.L.Sc. George Peabody College of Vanderbilt University; Additional study, The University of Alabama.

Part-Time Library Staff

Genne Johnston, Circulation. M.L.I.S., University of Alabama.

Sara Love, Circulation.

OFFICE OF STUDENT AFFAIRS

Othel L. Washington, Dean of Student Affairs. B.S. & M.Ed., Alabama A&M University.

Tena Bullington, Coordinator for Student Activities. B.S., Athens State College.

Jennifer Butler, Student Financial Services Counselor. B.S., Athens State College.

Lisa J. Carter, Admissions Counselor/Veteran's Affairs Coordinator. B.S., Athens State College, M.A., University of North Alabama.

Maureen Chemsak, L.P.C., Director of Counseling and Career Services, ADA/504 Coordinator. B.A., St. Francis College; M.Ed., Pennsylvania State University.

Sheila Davis, Transcript Evaluator, Admissions. B.S., Athens State College.

Barry Devine, Assistant Softball Coach, Sports Information Director, and Coordinator of Housing. B.S., University of Alabama; M.A., U. S. Sports Academy, Daphne, Alabama.

Renee D. Dobbs, Secretary, Admissions. B.S., Athens State College.

Necedah Henderson, Coordinator of Admissions. B.S., Athens State College; M.A., University of North Alabama.

Tracy Hicks, Printing Technician, Printing and Publications.

Jo Huffman, Secretary, Student Financial Services. B.S., Athens State College.

Larry Keenum, Head Softball Coach and Director of Intramurals and Campus Recreation. B.S., Athens State College; M.A., The University of Alabama; Additional study, The University of Alabama.

John W. King, Associate Dean of Student Affairs. B.S. Ed., Athens State College; M.A., The University of North Alabama.

Betty L. Marks, Director of Printing and Publications. B.S., Athens State College.

Sarah McAbee, Director of Student Financial Services. B.S., Athens State College, M.B.A., University of North Alabama.

Joy Morris, Secretary for the Dean of Student Affairs. B.S., Athens State College.

Felicia Mucci, Secretary, Admissions Office. B.S., Athens State College.

Harold Dean Murrell, Head Basketball Coach/Athletic Director. A.A., Martin College; B.S.Ed., M.A.T., Athens College; Additional study, The University of Alabama.

Margaret M. Oliver, Coordinator of Student Support Services/Minority Affairs/Non-traditional Credit. B.A. and B.S., Athens State College.

Janice M. Owen, Secretary. Counseling and Career Services. B.S.Ed., Athens College.

Penny L. Roberts, Secretary, Student Activities. B.S., Athens State College.

Deborah Schaus, Coordinator of Recruiting. B.A., B.S., Athens State College.

Maria Stewart, Transcript Evaluator, Admissions. B.S., Athens State College.

Teresa Stinnett Suit, Coordinator of Records\Registrar. B.S., Athens State College.

Kimberly M. Troupe, Secretary, Records Office. B.S., Athens State College.

Shirley Troupe, Secretary, Campus Recreation, Intramurals, Athletics, and Physical Education.

Kenneith Tucker, Secretary, Printing and Publications. B.S., Athens State College.

OFFICE OF FINANCIAL AFFAIRS

Ewell P. Smith, Dean of Financial Affairs. B.S., Athens College, M.A., The University of Alabama.

Sandra Garner, Secretary to the Dean of Financial Affairs.

Diann Butler, Accounting Specialist I. A.S., Calhoun State Community College; B.S., University of North Alabama.

Gina Lovett, Night PBX Operator.

Helen Marks, Night PBX Operator.

Faye Wright Plue, Accounting Specialist I/Cashier.

Suzanne Sims, Human Resource Specialist. B.S., Athens State College.

Charlene Smith, Accounting Specialist I.

Kimberly Smith, Senior Accounting Specialist II. B.S., Mississippi State University; M.A., University of Alabama.

Carolyn Witty, Daytime PBX Operator.

BOOKSTORE

Gwen Lamb, Bookstore Manager.

Edna Greenhaw, Bookstore Clerk (part-time).

Kay Martinez, Bookstore Clerk.

Edith Russell, Bookstore Clerk.

GROUNDS AND MAINTENANCE

Jerry Ezell, Maintenance Superintendent.

Chad Adams, Groundskeeper.

Dorothy Bartlow, Custodian.

Joe Bullington, Air Conditioning/Electrical.

Paula V. Bullington, Property Manager/Secretary. B.S., Athens State College.

Floyd Chambers, Groundskeeper.

Sandra Chambers, Custodian.

Michaela Crabtree, Custodian.

Roy Crunk, Painter.

Joe Davis, Custodian.

Robin Downs, Carpenter Assistant.

Sue Dudley, Custodian.

Jimmie Ezell, Custodian.

Jerry Garner, Painter.

Paulette Hand, Night Custodian.

Thad Hebbe, Electrician/Air Conditioning/Refrigeration Mechanic.

Delania Holt, Night Custodian.

Harold Jones, Custodian.

Dwight Lovell, Assistant Maintenance Superintendent, Plumber/Electrician.

Ben Martinez, Custodian.

Alanna McEwen, Night Custodian.

Billy Ray McLain, Groundskeeper and Supervisor.

John Murray, Groundskeeper.

Helen Nelson, Custodian.

Patricia Osmer, Custodian.

Doris Pepper, Night Custodian and Supervisor.

Tommy Phillips, Plumber/Electrician.

Ollie Thompson, Custodian.

Randy Vinson, Carpenter.

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Thomas Allen, Security Guard.

Brett Constable, Security Guard.

Jerry Crabtree, Security Guard.

David Jones, Security Guard.

James Hand, Security Guard.

Bob Ralph, Security Guard.

Larry Swanner, Security Guard.

Thomas Townsend, Security Guard.

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